\$10205 \$A36563 \$142713 \$5681 \$66777 \$105777 \$105777 \$105777 \$10577 \$10577 \$10577 \$10577 \$1057 \$1

```
110000000000000000000000000
                                                                                                                                                                                                                                                                                                                             2444444444
                                                                                                                                                                                                                  162
161.5
161.5
161.5
161.5
                                                                                                                                                                                                                                                                       159.5
159.5
159.5
159.5
158.5
158.5
                                                                                                                                                                                                                                                                                                                                                                                                                    150.5
150.5
150.5
150.5
                                                                                                                                       169
168.5
168.5
168
                                                                                                                                                                    165
                                                                                                                                                                                                             162.5
glioma pathogenesi
testis-specific, v
hypothetical prote
cysteine-rich secr
cysteine-rich secr
neurocan precursor
cysteine-rich secr
                                                                                                                                                                                                                                                                 neutrophil granule
neurocan - mouse
                                                                                                                                                                                                                                                                                                                       testicular protein
                                                                                                                                                                                                                                                                                                                                                    versican precursor
versican precursor
                                                                                                                                                                                                                                                                                                                                                                mannose receptor p
                                                                                                                                                                                                                                                                                                                                                                     hypothetical prote
acidic epididymal
                                                                                                                                                                                                                                                                                                                                                                                             hypothetical prote
pathogenesis-relat
                                                                                                                                                                                                                                                                                                                             versican precursor
versican precursor
                                                                                                                                                                                                                                                                                                                                        testis-specific pr
chondroitin sulfat
                                                                                                                                                                                                                                                                                                                                                                                 venom allergen ant
                                                                                                                                                                                                                                                                                                                                                                                        pathogenesis-relat
                                                                                                                                                                                                                                                                                                                                                                                                          renom allergen ant
                                                                                                                                                                                                                                                                                                                                                                                                              pathogenesis-relat
pathogenesis-relat
                                                                                                                                                                                                                                                                                                                                                                                                                           pathogenesis-relat
                                                                                                                                                                                                                                                                                                                                                                                                                                 pathogenesis-relat
antigen 5 - paper
                                        ; Search time 41 Seconds (without alignments)
1067.771 Million cell updates/sec
                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                               US-09-943-664-50
2529
1 MLHPETSPGRGHLLAVLLAL.......RNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                       Description
      GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd
                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                         283416 seqs, 96216763 residues
                                                                                                                                                              summaries
                                                                                                                                                                                                                                     SUMMARIES
                                        February 11, 2005, 18:24:45
                             protein search, using sw model
                                                                                                                                                                                                                                                                 S68691
S52781
JC52308
JC53308
T16415
S68332
S68332
S68332
JE0204
A55535
A33329
A47171
T14274
T14274
T14274
                                                                                       BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                 Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                 seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                          %
Query
Match Length DB
                                                                                                                                                                                                                                                                                   266
312
243
249
1257
244
244
243
243
243
240
                                                                                                                                                                                                                                                                                                                                        243
3562
1643
3381
1455
207
207
205
161
           Copyright
                                                                                                                                                                          PIR 79:*
1: pirl:*
2: pir2:*
3: pir3:*
                                                                                                                                                                                                                                                                                    10r446000c000000004000000
                                                                                                                                                  Post-processing:
                                                                Title:
Perfect score:
                                                                                       Scoring table:
                                                                                                                                                                                                                                                                                                                                        193.5
191
                                                                                                                                                                                                                                                                                                                                                    190
189.5
189.5
188.5
187.5
185.5
185.5
185.1
                                                                                                                                                                                                                                                                                                                                                                                                              182.5
181.5
180.5
180.5
                                                                                                                                Minimum DB 8
Maximum DB 8
                            OM protein
                                                                            Sequence:
                                                                                                          Searched:
                                                                                                                                                                          Database
                                         Run on:
                                                                                                                                                                                                                                                                                    Result
```

mannose receptor p
wenom allergen ant
Doc4 procein, steric
gatetine-rich secr
pathogenesis-relat
pathogenesi

\$37166 \$47171 \$20661 \$57653 \$18188 \$131070 \$7330 \$49202

A54423 S78549 B44583 S14969 B24620 S51679

T31959 T31959 T31959 T31959 T31959 T10957 T1

A24420 S13165 T152399 T04990 S45306 S52626 T19859 I50421

S71554 T29200 LNRT2 A40701

homeotic protein d preadipocyte facto protein apx-1 [imp integrin beta-7 ch tenascin precursor odz protein - frui tenascin-like prot protein-tyrosine k hypothetical prote mucin MUCSB, trach laminin gamma-1 ch	laminin alpha-1 ch probable pathogene adhesive plaque pr hypothetical prote tetranectin precur	Wnt inhibitory rac PR-1-like protein IGB Pc receptor, l hypothetical prote	gene serrate prote perlecan precursor phospholipase-A(2)	intilisic lactor-b hypothetical prote lectin, galactose- protein-tyrosine k	phospholipase A2 r Igs Fc receptor II	hypothetical prote prote prote protein-tyrosine k	fibrillin-2 precur alpha-2-macroglobu pathoqenesis-relat	restrictin precurs hypothetical prote	protein-tylosine n regenerating islet pancreatic stone p	growth arrest-spec laminin alpha-1 ch	lectin, galactose/ receptor DEC-205	protein T22A3.8 ll hypothetical prote fibrillin I - bovi	laminin alpha chai epidermal growth f	nypotherical proce protein F40E10.4 [	Jaminsin processory laminin gamma-1 ch hymothetical prote	fibrillin-1 precur intrinsic factor-B	regenerating islet NKR-P1 protein hom	testis-specific, v neurogenic repetit	HIV gp120-binding cytotactin - chick	hypothetical prote	hypothetical prote	fibrillin-z precur nel protein - chic	proteoglycan core proteoglycan core	hypothetical prote	
176 129.5 5.1 385 2 853718 177 129.5 5.1 385 2 A54785 178 129.5 5.1 513 2 D88991 180 129.5 5.1 806 2 A46271 181 129.5 5.1 2406 2 A54148 182 129.5 5.1 2406 2 A54148 183 129 5.1 2515 2 847008 184 129 5.1 136 1 557845 185 5.1 2824 2 722759 185 5.1 150 1 MMTHR2	128.5 5.1 3055 7.1 128.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	127.5 5.0 379 2 126.5 5.0 161 2 126.5 5.0 331 1 126.5 5.0 385 2	126.5 5.0 1408 2 126.5 5.0 4391 2 126 5.0 1487 2	126 5.0 3623 2 125.5 5.0 463 2 125 4.9 135 2	125 4.9 1125 1 125 4.9 1463 2 124.5 4.9 309 1	124.5 4.9 374 1 124.5 4.9 384 2 124.5 4.9 1138 1	124.5 4.9 2918 2 124.5 4.9 4544 1	124 4.9 1353 1 124 4.9 1353 1 124 4.9 1372 2	123.5 4.9 1134 1 123 4.9 166 1 123 4 9 166 2	123 4.9 678 2	122.5 4.8 166 1 122.5 4.8 304 2 122 4.8 1723 2	122 4.8 2823 2 122 4.8 2823 2	122 4.8 3102 2 121.5 4.8 308 2	121.5 4.8 601 2 121.5 4.8 601 2	121.5 4.8 1356 2 121.5 4.8 1639 1	121.5 4.8 2014 2 121.5 4.8 2871 2	121 4.8 3623 2	121 4.8 220 2 121 4.8 237 2	121 4.8 4.9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	121 4.8 933 2 121 4.8 2531 2	120.5 4.8 1808 2 120.5 4.8 2180 2	120.5 4.8 2907 2 120 4.7 835 2	120 4.7 1340 2 120 4.7 2124 2	120 4.7 2327 2 119.5 4.7 738 2 119.5 4.7 739 2	
																<u>.</u>								rotein hom ical prote ical prote	
protein F52E1.2 [i transmembrane prot pathogenesis-relat hypothetical prote hypothetical prote probable pathogene crumbs protein - f Motch B protein - notch protein homovenom allergen ant	hypothetic hypothetic mannose re pathogenes Delta-4 po	tenascin-i EGF repeat notch4 · m venom alle	probable m cell-fate tenascin-X	hypothetic pathogenes	glpl protei hypothetica tetranectin	Delta-4 prote	hypothetical pr tenascin precur asialoglycoprot	Kupffer cell rec protein F11C7.4 hepatic lectin	hepatic lectin - r asialoglycoprotein	parnogenesis-rer fibropellin C pr laminin gamma-l	echinoidin - sea u hypothetical prote	yene berca pro versican - pic phospholipase	lectin - barna hypothetical I	protein-tyrosi	slit protein 1 fibrillin 1 pr	Notch homolog   MEGF5 protein	neurogenic prot neurogenic rept	secreted leucine-r hypothetical prote	reg II, regener hypothetical pr	tenascin precu delta-like hom	integrin beta-7 perlucin - Halio	i	1, 1, 4	thet	

us-09-943-664-50.rpr

platelet glycoprot hypothetical prote heparan sulfate pr hypothetical prote coagulation factor beta-1 integrin su hypothetical prote hypothetical prote pulmonary surfacta protein R06810.3 [	thrombomodulin pre- integrin beta-6 ch leukcyte adhesion hypothetical prote laminin alpha-1 ch alpha-2-macroglobu hypothetical prote platelet glycoprot ovocleidin - chick antifreeze protein regenerating prote Sc14 protein - bra lipopolysaccharide hypothetical prote	integrin beta olig natural killer cel hypothetical prote coagulation factor hypothetical prote hypothetical prote probable laminin a hypothetical prote lectin precursor - Nel-homolog protei hypothetical prote brain-specific ang laminin alpha 5 ch probable pathogene thrombospondin 4 p	gastric mucin MUCS hypothetical prote hypothetical prote hypothetical prote hypothetical prote hypothetical prote fibulin-2 precurso latent transformin hypothetical prote integrin beta chal hypothetical prote integrin beta chal hypothetical prote cysteine-rich prote tenascin Y precurs zonadhesin - mouse cysteine-rich prote integrin beta chal hypothetical prote integrin beta chal hypothetical prote laminin Beta chain laminin Beta chain laminin Beta chain laminin Beta chain laminin beta chal hypothetical prote laminin beta chal mi30 antigen precu mi30 antigen precu mi30 antigen precu chondroitin sulfat
22 109 4.3 788 2 24 109 4.3 1895 2 25 108.5 4.3 1101 2 26 108 4.3 293 2 27 108 4.3 773 2 29 108 4.3 773 2 29 108 4.3 1450 2 30 107.5 4.3 308 2	33 107.5 4.3 577 2 34 107.5 4.3 577 2 35 107.5 4.3 577 2 377 2 107.5 4.3 577 2 378 107.5 4.3 577 2 40 107.5 4.3 577 2 41 107 4.2 476 2 42 106.5 4.2 148 2 44 106.5 4.2 174 2 45 106.5 4.2 256 2 46 106.5 4.2 256 2 47 106.5 4.2 256 2 48 106.5 4.2 256 2	49 106.5 50 106.4 51 106 4.2 52 106 4.2 53 106 4.2 54 106 4.2 55 106 4.2 56 105.5 57 105.5 58 105.5 59 105.5 60 105.5 61 105.5 62 105.6 63 64.2 64 2 65 105.5 66 105.5 67 68 105.5 68 105.6 69 105.6 60 105.7 60 105.6 60 105.7 60 105.7	365 104.5 4.1 171 1510 1510 1510 1510 1510 1510 1510
brain-specific ang alpha-2-macroglobu hypotherical prote hypotherical prote hypotherical prote hypotherical prote endotherial leukoc hypothetical prote Balbiani ring 3 pr laminin alpha-2 ch lectin CEL-1, N-ac	acrosomal major pr integrin beta3 - c hypothetical prote Wht inhibitory fac furin (EC 3.4.21.7 slit-1 protein hom laminin beta-2 cha reg I, regeneratin aggreen precursor hypothetical prote lectin BRA3-1 prec lectin BRA3-1 prec lectin BRA3-1 prec lectin BRA3-1 prec tenascin - eastern laminin beta-2 cha Igg For erceptor II	hypothetical prote hypothetical prote integrin beta-3 ch hypothetical prote integrin beta-3 su secretory phosphol secretory phosphol hypothetical prote hypothetical prote granulin precursor integrin beta-5 ch thrombomodulin pre hypothetical prote filbulin-10 precurs integrin beta-5 ch thrombomodulin pre hypothetical prote filbulin-10 precurs integrin beta-3 ch	illuegiii Deta-3 cui fibulin, splice fo fibulin, splice fo fibulin 1, splice hypothetical prote pancreatic stone p hypothetical prote integrin beta-5 ch hypothetical prote MSGF8 protein - hu ARX-1 protein homo seven-pass transme acrosomal major prote LNG5 protein - chl hypothetical prote pathogenesis-relat pulmonary surfacta hypothetical prote Motch A protein - hu hypothetical prote pulmonary surfacta pulmona
4.7 4544 2 4.7 4545 1 4.7 6616 2 4.7 661 2 4.7 259 2 4.7 259 2 4.7 551 2 4.7 1700 2 4.7 3106 1 4.7 140 2	4.7 180 2 4 4 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4.5 5 5 5 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	113 4.5 689 2 74020 113 4.5 712 2 742760 113 4.5 712 2 74290 112 4.4 165 2 742317 112 4.4 165 2 742811 113 4.4 165 2 742811 114 4.4 157 2 742811 115 4.4 157 2 742811 110 4.4 1737 2 742811 110 4.3 379 2 742113 110 4.3 379 2 742112 110 4.3 3882 110 4.3 3882 110 4.3 387 2 848175 110 4.3 387 2 849175 110 4.3 387 2 849175 110 4.3 387 2 849175 110 4.3 387 2 849175 110 5 4.3 248 1 IANHUPS 109.5 4.3 644 1 A40712 109.5 4.3 109.5 4.3 100.86 109.5 4.3 109.8 1 100.86 109.5 4.3 109.8 2 76669 109.9 4.3 1788 1 JAN786 109.9 4.3 1895 2 76669 109.9 4.3 778 2 866798

 $\begin{array}{c} 6.66 \\ 6.$ 

10.00   1.00	LDL-receptor-relat aggretin alpha cha pancreatic stone p hypothetical prote conglutinin precur	conglutinin - bovi protein C (activat	growtn potentlatin integrin beta chai	ATP-dependent perm	mucin 2 precursor,	NK-cell receptor F	hypothetical prote	vascular endotheli	env polyprotein -	nypormetical proce antistasin precurs	hypothetical prote	hypothetical prote	E-selectin - bovin	fibulin, spiice ro	F21F23.19 protein	vacuolar sorting r	integrin beta 2 ch	mucin 5AC (clone L	intermentary mici	laminin beta-1 cha	pathogenesis-relat	bitiscetin alpha c	pancreatitis-assoc	collectin ilver i coaqulation factor	epithelin/granulin	coagulation factor	env polyprotein pr hymorherical prote	low density lipopr	von Willebrand fac	hypothetical prote	hatural Killer Cel	follistatin - chic	probable dehydroge	malate dehydrogena	epithelin/granulin	fibulin, splice fo	P-selectin precure	coamilation factor	type II antifreeze	Sc7 protein - brac	hypothetical prote	protein B0454.7 [i	integrin beta-8 ch	mucin 2, intestina	protein F17F8.23 [	env protein - numa paceta - monse (fr	ဌ	ച്ച	185K secretory pro	al pro	purmonary surracte hypothetical prote	(activ	ecif	Car	
1.00   1.00																																																							
10.00   1.00																														,																									
1.																																																							
10.00   1.00	95.5 95.5 95.5	95.5	95.5 95.5	95.5	95.5	95	9 2	95	92	2, 2 2, 3	94.5	94.5	94.5	94.5	74. 0.40	94	94	94	46	4, 4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	9.00	93.5	93.5	ტ <u>ე</u>	9 6	93	6 6 6 7	n 6	93	93	93	92.5	92.5	92.5	2. 5. 2. 5.	92.5	92.5	92	9 0	9 6	92	91.5	91.5	91.5	91.5	91.5	T N	
02.5. 4.1 570 2 T37314 02.5. 4.1 1 988 2 D86236 01.5. 4.1 1 988 2 D86236 01.5. 4.1 1 925 2 T21773 01.5. 4.0 916 2 D86236 01.5. 4.0 1948 2 D86236 01.5. 4.0 1948 2 D86236 01.5. 4.0 1945 2 A35429 01.10 1 4.0 528 2 T25731 101 1 4.0 628 1 T25731 101 1 4.0 628 1 T25731 101 1 4.0 673 2 A46899 101 1 4.0 771 2 A46839 101 1 4.0 770 2 D66319 101 1 4.0 1007 2 D66319 102 1 100 1 1007 2 D66319 103 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	468 469 470 471	473	475 476	477	479	480	482	483	484	287 7 0 7	487	488	489	490	4 4 4 L	493	494	495	496	4 4 4 7	499	200	501	502	504	505	506	508	509	510	511	513	514	515	517	518	519	520	522	523	524	525	527	528	529	530	532	533	534	535	536	538	539	540	
02.5 4.1 570 2 02.5 4.1 798 2 02.5 4.1 798 2 010.5 4.1 1915 2 011.5 4.0 1964 2 011.5 4.0 1964 2 011.5 4.0 1964 2 011.5 4.0 1964 2 011.6 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.1 4.0 1964 2 010.2 4.0 1964 2 010.3 4.0 1964 2 010.4 4.0 1964 2 010.5 4.0 1964 2 010.6 4.0 1964 2 010.6 4.0 1964 2 010.6 4.0 1964 2 010.7 4.0 1964 2 010.8 3.9 1964 2 010.9 3.9 19	probable kexin (EC integrin beta-1 ch fibronectin recept hypothetical prote hypothetical prote	protein F14N23.5 ( integrin beta-4 pr	integrin beta-4 ch collectin-43 - bov	vacuolar sorting r	hypothetical prote	milk fat globule m	growth arrest-spec	leukocyte adhesion	leukocyte adhesion	protein F56D6.1 [1	G surface protein	polycystic kidney	hypothetical prote	spore coat protein	acrosomai major pr	hypothetical profe	hypothetical prote	seizure-related me	uromodulin precurs	brain-specific ang השיחייה בן לה	zonadhesin - piq	betacellulin precu	hypothetical prote	pP47 protein - pig	protein T12A7.2 [i	E-selectin precurs	hypothetical prote	pancreatitis-assoc eosinophil major b	extracellular prot	probable vacuolar	laminin beta-2 cha	nyponnecical proce protein W10G11.6 [	protein C (activat	envelope glycoprot	meralloprocellase	hypothetical prote	G surface protein	lectin - Iberian r	hypothetical prote	subtilisin-like pr	subtilisin-like pr	Kalinin Bl - mouse	antiden WC1.1 prec	hypothetical prote	gene 17.5 protein	hepatic lectin H1	hypothetical prote	hypothetical prote	fibulin 1 precurso	low density lipopr	anticoagulant prot	cype ii iecciii. protein bli-4D [im	angiogenesis inhib	in beta-1	
999999	00000	0 0	01 0	۰ ۲۵	- 7	н (	<b>7</b> 0	~ ~1	0	N (	N (	101	7	2	<b>~</b> c	4 0	1 (1	7	(	N -	1 0	10	7	~ ~	- 7	N	01 1		10	~	01	N N	ı	~	N C	۱ ۸	7	(4)	4 C	1 (7)	7	0 0	<b>1</b> 0	1 (2)	7	<b>н</b> (	4 C	1 (1	7	7	~ ~	7 C	1 71	-	
														•										•							•			•	•			•	•		•	•				•	•		•	•	•			•	
							101	101	101	101	101				001	9 6	100	99.5	99.5	000	99.0	66	66	66	66	66	66	20.00 20.00 20.00	98.5	98.5	98.5	D 00	8 6	86	90 0	97.5	97.5	97	7 6	97	97	97	76	97	96.5	96.5	9.00 0.00	96.5	96.5	96.5	96	9 6	96	96	

sanko - human hypothetical prote hypothetical prote trophozoite surfac integrin beta-1 ch cyritestin precurs surface protein ty alpha-51D-1mmcohil coagulation factor hypothetical prote thrombomodulin - b	enigma - human epidermal growth f agrin - rat guface antigen - p hypothetical prote gp330 protein prec mucin, submaxillar hypothetical prote envelope protein - hypothetical prote envelope protein - hypothetical prote integrin beta - hypothetical prote	hypothetical processive hypothetical processived hypothetical protest vacuolar sorting representation for the hypothetical protest hypothetical hyp	structural polypro- transforming growt pancreatitis-assoc transmembrane prot hypothetical prote lag-2 protein - Ca hypothetical prote hypothetical prote hypothetical prote hypothetical prote hypothetical prote metalloproteinase exonuclease (EC 3, plasma protein S - glucose dehydrogen hypothetical prote receptor protein- tryosine kinase re latent transformin probable vitelloge scawnger receptor hypothetical prote fibronectin - bovi DN-cadherin - frui
A59386 T33202 T24854 A48579 A28193 S18968 S50820 T28674 JC4690	A55050 A47253 A47253 A3GRT T42737 T42737 T2337099 T2337099 T23468 PQ0848 PQ0848 PQ0848 T17324 T17324 T17324	T25252 INRTMA T25295 INRTMA T25295 T26794 T26859 T26859 T26859 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682 T23682	GGNWVR4 GGNWVR4 A49616 GG1639 G1639 G12580 S12861 T2021 T2021 S38819 F83360 T2012 S38819 T83360 T138843 T138843 T138843 T138843 T138843 T138843 T138843 T14889 T14893 T14893 T14893 T16893 T16893 T16893 T16893
			113053 113053 13860 13880 1380
	i ni	, a a a a a a a a a a a a a a a a a a a	<b> </b>
			* XX เก๋
6115 6116 6116 6117 6118 6218 6218 6218	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 4 4 4 4 4 4 4 4 7 8 7 8 7 8 7 8 7 8 7 8	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
hypothetical prote hypothetical prote ADAM 6 protein pre hypothetical prote realin precursor - mannose-binding le hypothetical prote triQ protein - Xan epidermal growth f low density libor	transcription factor transcription fact protein C16A3.6 [1 thrombospondin 1 p hypothetical protein serine proteinase antistasin B - Mex hypothetical protein G2R protein - G2R protein - G2R protein - G2R protein - DiGeorge syndrome protein F22C12.10 VLDL receptor precent protein - Samingene PACE4 protein hypothetical protein hypothetical protein can one shuttle gene PACE4 protein protein hypothetical protein can one shuttle creater and can one	Ran-binding protein hypothetical protein hypothetical protein protein protein protein protein FSPAT. I i hypothetical protein protein FSPAT. I i hypothetical protein plasma protein S pasma protein S pasmajor surface-labe hypothetical protein propein 196 FC binding procession probable otsB protein protein probable otsB protein protein probable otsB protein probable dehydroge hypothetical protein protein protein protein protein protein probable dehydroge scavenger receptor	kNA-directed by A penjdermal growth finase-related trap protein C37C3.6a [probable vitelloge hypothetical protein prombospondin 1 p
.6 476 2 .6 535 2 .6 535 2 .6 1162 2 .6 3461 2 .6 3644 1 .6 6 4905 2 .6 6 4905 2 .6 6 6 9	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.	3.5 1339 2 101131 3.5 1342 2 A36223 3.5 1342 2 T3171 3.5 2167 2 T34074 3.5 3133 2 T36074 3.5 147 2 UCR959 3.5 459 2 UCR959 3.5 469 2 T21334 3.5 469 2 T21334 3.5 469 2 A48434 3.5 469 2 T21334 3.5 646 2 A48434 3.5 646 2 S44795 3.5 769 1 UCL121 3.5 1005 2 S49015 3.5 1170 1 TSHUD1
90 90 90 90 90 90 90 90 90 90 90 90 90 9	1 M M M M M M O O O O O O O O O O O O O	00000000000000000000000000000000000000	88 88 88 88 88 88 88 88 88 88 88 88 88
541 542 544 544 546 548 549 551	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	00000000000000000000000000000000000000

hypothetical prote pulmonary surfacta lectin-B - virgini protein kinase (EC hypothetical prote acrogranin - guine hypothetical prote disintegrin-like m fertillin beta cha cartilage oligomer hypothetical prote von willebrand fac hypothetical prote subtilisin-like pr hypothetical prote hypothetical prote nonstructural poly alpha-51D immobili thyroglobulin prec hypothetical prote agglutinin isolect properdin - mouse t-plasminogen acti hypothetical prote plycoprotein antig hypothetical prote epidermal growth f inb. receptor 2 pre thrombospondin 3 - structural polypro agrin - electric r hypothetical prote epidermal polypro	sperm surface prote hypothetical prote subtilisin-like pr subtilisin-like pr subtilisin-like pr subtilisin-like pr subtilisin-like pr structural polyprothetical prote probable transcrip hypothetical prote insulin receptor-r hypothetical prote probable transcrip hypothetical prote probable transcrip hypothetical prote probable molybdenu hypothetical prote coagulation factor hypothetical prote coagulation factor hypothetical prote coagulation factor hypothetical prote probable myonetical prote cagulation factor hypothetical prote cagulation factor hypothetical prote myoneurin - human kallmann syndrome hypothetical prote prain-specific ser
241 2 T16802 248 1 INRTPS 372 2 JCSSS9 372 2 JCSSS9 591 2 T25383 610 2 T25383 734 2 JC4861 734 2 JC4861 735 2 T264861 775 2 T21436 775 2 T21436 775 2 T2164861 775 2 T2164861 775 2 T2164861 775 2 T216644 11780 2 T26644 11780 2 T26644 118 2 T26644 118 2 T26644 179 2 T26644 177 2	000001010101010000001010000000000000000
22222222222222222222222222222222222222	<b>,                                    </b>
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
antistasin - Mexic hypothetical prote ultra-high-sulfur hypothetical prote ybev protein - Esc testicular metallo P-selectin - rat biotin sulfoxide r monocyte suurface a thrombospondin 3 p neural cell adhesi agrin precursor - teratocarcinoma-de eosinophil major b hypothetical prote mannose-binding le hypothetical prote plasma protein S p plasma protein precurs hypothetical prote probable peptidase probable peptidase probable peptidase probable peptidase probable peptidase probable peptidase probable cystein antifreeze protein	pancreatic thread ultra-high-sulfur pulmonary surfacta hypothetical prote coagulation factor plasma hyaluronan- plasma protein S p squalene-hopene-cy hypothetical prote tWDC I protein - c hypothetical prote env polyprotein pr probable proprotei mouse developmenta eph-related recept receptor-type prot genome polyprotein MEGFI protein - ra pancreatitis-assoc protein W10611.12 betacallulin precu teratocardinoma-de human CR1 homolog hNRR-PIA protein - ra glycoprotein antig polyketide beta-ke metalloprotease-re disintegrin-like m mucin - rat protein-tyrosine k unknown protein [i hypothetical prote low density lipopr
85 3.4 119 2 A34398 85 3.4 119 2 S13904 85 3.4 223 2 S13904 85 3.4 223 2 T20524 85 3.4 483 2 T20524 85 3.4 732 2 T20524 85 3.4 782 2 T52624 85 3.4 782 2 T52624 86 3.4 782 2 T53821 87 3.4 126 2 A60385 84 5 3.3 4 126 2 A60385 84 5 3.3 4 126 1 A37967 84 5 3.3 227 1 S68150 84 5 3.3 227 1 S68150 84 5 3.3 227 1 S68150 84 5 3.3 411 2 A84365 84 5 3.3 416 2 T20448 84 5 3.3 1650 2 S53457 84 3.3 1650 2 S53457 84 3.3 173 2 A55347 84 3.3 1650 2 S53457 84 3.3 173 2 A55347 84 3.3 173 2 A55347 84 3.3 173 2 A55347 84 3.3 173 2 A55347 84 3.3 178 2 A30359 84 3.3 178 1 A39804 84 3.3 176 2 A30359	3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3
. 606 606 606 606 606 606 606 606 606 60	くててってってってってってってってってってってってってってってってってってって

hypothetical prote gastric mucin MUCS prestric mucin MUCS prestalk protein p WD repeat domain p thrombospondin 2 p insulin receptor-r E2 glycoprotein pr conserved hypothet natural killer cel	natural Killer cell hypothetical prote mannose-binding le L'selectin precurs coagulation factor NAD(P) transhydrog probable vacuolar protein MEDEA (imp hypothetical prote probable extracall kinse-related prote hypothetical prote probable extracall kinse-related prote lectin precursor protein MOSGIS.I T2 protein - rabbi follistatin precur follistatin precur follistatin precur follistatin precur follistatin precur follistatin precur follistatin prote probable lipase - hypothetical prote disintegrin (EC 3. hypothetical prote disintegrin (EC 3. hypothetical prote claintegrin (EC 3. hypothetical prote disintegrin (EC 3. hypothetical prote claintegrin (EC 3. hypothetical prote creeptor protein creeptor protein protein unc-52 (im protein unc-52 (im protein unc-52 (im creeptor protein protein unc-52 (im prot	hypothetical prote probable oxidoredu a2-pheromone recep hypothetical prote S-locus-specific g Sylothetical prote 53K sperm flagella tubulointerstitial trophozoite cystei Kallmann syndrome hypothetical prote phosphoribosylform ErbB kinase activa Wubb receptor prec related to mutanas probable hormone repidermal growth f nidogen precursor probable RNA-direc gas-pol polyprotei surface protein surface protein surface protein 51 hypothetical prote
78.5 3.1 546 2 78.5 3.1 831 2 78.5 3.1 1066 2 78.5 3.1 1051 2 78.5 3.1 1172 2 78.5 3.1 1363 1 78.5 3.1 1363 1 78.5 3.1 1363 1 78.5 3.1 241 2 78.5 3.1 241 2	916 78 3.1 170 2 T281440 919 78 3.1 213 2 T278441 919 78 3.1 213 2 T278441 920 78 3.1 213 2 T27841 921 78 3.1 213 2 T27841 922 78 3.1 273 2 T77997 923 78 3.1 625 2 E87658 924 78 3.1 1067 2 E87658 925 78 3.1 1067 2 E87665 926 78 3.1 1067 2 D75625 927 77.5 3.1 1067 2 D75625 938 77.5 3.1 1067 2 D75625 939 77.5 3.1 224 1 A27701 939 77.5 3.1 224 1 A27701 939 77.5 3.1 344 1 A27701 939 77.5 3.1 344 2 T20618 940 77.5 3.1 344 2 T20618 941 77.5 3.1 344 2 T20618 942 77.5 3.1 344 2 T20618 943 77.5 3.1 344 2 T20618 944 77.5 3.1 639 2 T38156 945 77.5 3.1 639 2 T38135 946 77.5 3.1 160 2 T38156 947 77.5 3.1 160 2 E88359 948 77.5 3.1 160 2 E88359 949 77.5 3.1 160 2 E88359 949 77.5 3.1 160 2 E88359 940 77.5 3.1 160 2 E88359 941 77.5 3.1 1160 2 T20618 942 77.5 3.1 1160 2 T20618 943 77.5 3.1 1160 2 E88359 944 77.5 3.1 1160 2 T20618	77 3.0 284 27 287 287 287 287 287 287 287 287 287
env protein gpl20( probable cysteine- hypothetical prote thyroglobulin prec protein W09G10.5 [ eosinophil major b R01H10.4 protein ( hypothetical prote flavonol 3-0-gluco flavonol 3-0-gluco hypothetical prote	hypotheritatal prote probable enzyme 24 metalloproteinase laminin-related prepidermal growth fortein-tyrosine k genome polyprotein hypotherical prote heme exporter prot hypotherical prote fla48 protein [im hypotherical prote fla48 protein [im hypotherical prote r-plasminogen acti t-plasminogen acti t-plasminogen acti t-plasminogen acti t-plasminogen acti t-plasminogen acti fla5-locus-specific g socitrate lyase (genome polyprotein hypotherical prote disinterprin-like t 6-phospherical prote hypotherical prote hypotherical prote hypotherical prote probable non-ribos coagulation factor cell adhesion glyc diaminopimelate de protein F57612.1 [ibi receptor precu	phosphoinositide 3 ultra high-sulfur teratocarcinoma-de hypothetical prote exogastrula-induci probable trxB2 pro L-selectin precurs exo-alpha-sialidas coagulation factor serine-type D-Ala- hypothetical prote disintegrin-like m hypothetical prote myltidung resistan fertilin beta - cr protein C34G6.2 [i protein tyrosine k structural polypro insulin-like growt agglutinin isolect hypothetical prote follistatin - rat hypothetical prote structural polypro insulin-like growt agglutinin isolect hypothetical prote follistatin - rat hypothetical prote arabinofuranosidas
3.2 869 2 3.2 1599 2 3.2 2769 2 3.2 2769 2 3.2 2769 2 3.2 245 2 3.2 289 2 3.2 289 2 3.2 471 1 3.2 558 2	80.5 3.2 558 2 891170 80.5 3.2 558 2 881170 80.5 3.2 1258 1 886016 80.5 3.2 1132 1 886016 80.5 3.2 1132 1 868T 80.5 3.2 2731 1 VEHTJH 80.9 3.2 245 2 AB0788 80 3.2 245 2 AB0788 80 3.2 248 2 AB0788 80 3.2 1449 2 P7558 80 3.2 449 2 P7558 80 3.2 449 2 P7558 80 3.2 1016 2 P75566 80 3.2 106 2 P33375 80 3.2 106 2 P33375 79.5 3.1 146 2 P0476 79.5 3.1 1006 2 P05567 79.5 3.1 1006 2 P05572 79.5 3.1 1006 2 P05572 79.5 3.1 1006 2 P05572	7.9 3.1 1634 17.9 3.1 1634 17.9 3.1 168 2.2 17.9 3.1 188 2.2 2.3 17.9 3.1 18.5 2.2 2.3 17.9 3.1 18.5 2.2 2.3 17.9 3.1 18.5 2.2 2.3 17.9 3.1 18.5 2.2 2.3 17.9 3.1 18.5 2.3 17.

env polyprotein - receptor tyrosine protein-tyrosine k receptor tyrosine G protein-coupled procollagen N-endo epidermal growth f 170K lectin precur KNA-directed RNA p	epidermal growth f polyprotein - fava gene B9R protein - pts system, n-acet	regulator protein probable regulator hypothetical prote follistatin mous	hypothetical proce hypothetical prote unknown protein en	thioredoxin-disulf stromelysin 3 (BC 1.1 profein - human	env polyprotein - DNA-directed RNA p	hypothetical prote hypothetical prote hypothetical prote	glycoprotein GP330 peroxisome biogene	mucin mucsb, clacil glutamate receptor cysteine rich prot	FIM protein [impor hypothetical prote	ALR protein - huma hypothetical prote	hypothetical prote heme exporter prot	nyponnecical pioce protein F15E11.9 [ follistatin - bovi	hypothetical prote alpha(1,3)-fucosyl	glutamyl-tRNA redu cellulase (EC 3.2.	E2 glycoprotein pr subtilisin-like pr	probable competenc env polyprotein -	probable erriux pr M polyprotein - Ri	hypothetical prote B2 glycoprotein pr	orf la protein - L	hypothetical prote	hypothetical prote hypothetical prote		prot	- she	hypothetical prote ycaQ protein - Bsc hypothetical prote	æ
1052 75.5 3.0 885 2 \$04322 1053 75.5 3.0 887 2 \$47489 1054 75.5 3.0 987 2 \$454092 1055 75.5 3.0 1115 2 \$40241 1057 75.5 3.0 1115 2 \$40241 1058 75.5 3.0 1205 2 \$18517 1058 75.5 3.0 1207 1 EGHU 1059 75.5 3.0 1207 1 EGHU	75.5 3.0 1717 1 75.5 3.0 5825 2 75 - 3.0 266 2 75 - 3.0 267 2	75 3.0 287 2 75 3.0 287 2 75 3.0 330 2 75 3.0 343 2	75 3.0 345 2 75 3.0 346 2 77 3.0 346 2	75 3.0 458 1	75 3.0 603 1	75 3.0 661 2 75 3.0 764 2 75 3.0 870 2	75 3.0 972 2	75 3.0 1056 2 75 3.0 1239 2 75 3.0 1274 2	75 3.0 1379 2 75 3.0 1443 2	75 3.0 4957 2 75 3.0 5262 2 74.5 2.9 149 2	74.5 2.9 189 2	74.5 2.9 250 2 74.5 2.9 296 2 74.5 2.9 344 2	74.5 2.9 400 2	74.5 2.9 465 2 74.5 2.9 506 2	74.5 2.9 550 1	74.5 2.9 754 2 74.5 2.9 881 1	74.5 2.9 1049 2 74.5 2.9 1206 1	74.5 2.9 1360 2 74.5 2.9 1363 1	74.5 2.9 1428 2 74.5 2.9 2396 2	74.5 2.9 3161 2 74 2.9 171 2	74 2.9 249 2 74 2.9 254 2	74 2.9 258 2 74 2.9 264 2	74 2.9 274 2 74 2.9 317 2	74 2.9 337 2 74 2.9 347 2	74 2.9 372 74 2.9 410 74 2.9 457	74 2.9 479 2
hypothetical prote expansin \$2 precur hypothetical prote hypothetical prote protein C2485.5 [i conserved hypothet hypothetical prote	flavonol 3-0-gluco hypotherical prote hypotherical prote tra protein - Stre	probable transcrip outer-membrane fin receptor-like tyro hypothetical prote	protein ZC84.6 [im hypothetical prote hypothetical prote	hypothetical prote thaumatin homolog Ly-49E-GE antigen	nypotnetical prote sperm surface prot probable membrane	GTP-binding protei u-plasminogen acti	hypothetical prote hypothetical prote	netrin-2 precursor hypothetical prote Cve-rich nrotein R	apolipoprofein Er hypothetical prote	hypothetical prote nidogen precursor	hypothetical prote pregnancy-associat	clathrin heavy cha CRP-ductin-alpha p	protein W09G10.6 hypothetical prote	keratin KAP5.5 - s hypothetical prote expansin 1 - rice	hypotherical proce	hypothetical prote	kīcB protein - Ent L-selectin precurs	probable PPE prote t-plasminogen acti	S-locus-specific g NADH2 dehydrogenas	tumor necrosis fac finger protein XFG	cell div	asparagine-tRNA li beta-glucuronidase	receptor tyrosine developmental kina	hypothetical prote developmental kina	disintegrin and me probable n-termina	mechioning-o-correct hypothetical prote
245 2 T19586 258 2 T10083 317 2 T25279 318 2 T20063 328 2 A29152 417 2 T33376 425 2 F98350	00000	0000	000	000	000	000	9 09 09	0 0 0	0 00	240	0 00	000	100	000	v 00 -	100	7 -	00	0 0	7 7	9 00 00	2 7	100	9 07 07	000	77 77

t-plasminogen acti major envelope gly env polyprotein pr ecarin precursor - ferredoxin oxidore	24	histidine-rich cal VLDL receptor prec	meltrin alpha - mo	alpha-mannosidase	hypothetical prote	probable pol polyp	hypothetical prote	hypothetical prote	mannose 6-phosphat	propable cell-surt hemadqlutinin-like	hemagglutinin-like	transforming growt	hypothetical prote	keratin high-sulfu	pyridoxamine 5'-ph interrupted beta-D	partial beta-D-glu	hypothetical prote	purmonary surracta probable integral	enoyl CoA hydratas	hypothetical prote	probable respirato apolipoprotein E -	L-selectin precurs	hypothetical prote S-locus-specific a	hypothetical prote	S-locus glycoprote	probable PPE prote	testis zinc finger	unknown protein F2	hypothetical prote	nypothetical prote hypothetical prote	complement C7 prec	receptor-protein t tolloid-BMP-1 like	M polyprotein - Ri	E2 glycoprotein pr E2 glycoprotein pr	surface protein -	protein ZC84.1 [im	epithelial cell gl	conserved hypothet	hypothetical prote	probable GTP-bindi	cathepsin H (EC 3.	cysteine proteinas aminotransferase,	S-locus-specific g	u-plasminogen acti	nase, fl	robable ph	complement of alph kexin-like protein
1 A35029 2 S4225 1 VCLJHD 2 A55796 2 T52499																																								2 J11208 2 T09613				1 UKMS	E8741	T3696	1 C8MUA 2 JC2345
559 568 575 616 617	681 769	852 873	903	961	1128	1398	1797	1958	2499	3442	3455	130	164	172	237	237	238	248	266	268	291	372	3 8 4 3 9 4	435	445 445	487	487	522	628	761	843	1070	1197	1363	1363	1416	95	173	214	325	333	9 6	429	433	499	523	631
					•		•		•								•					•																									
73 73 73 73	73	73	73	73	73	73	73	73	73	7.5	73	72.5	72.5	72.5	72.5	72.5	72.5	7.27	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72	72	72	7.5	72	7 27	72	72	12	72	72
1198 1199 1200 1201	1203	1205 1206	1207	1209	210	1212	1213	1215	1216	1218	1219	1220	222	1223	225	226	1227	229	230	231	1233	234	235	237	1238	1240	241	243	244	1246	247	249	.250	252	253	.254 255	256	257	.258 259	260	261	263	264	265	267	268	270
nicotinic receptor hypothetical prote hypothetical prote spore coat protein toxin components h	Spot 3 protein and transferrin precur	diacyiglycerol kin protein-tyrosine-p	diacylglycerol kin Rny transmembrane:	LDL receptor precu	hypothetical prote hypothetical prote	N-methyl-D-asparta	probable xanthine NSD1 protein - mon	fatty-acid synthas	hypothetical prote	heme exporter prot	heme exporter prot	streptomycin 3 - S decement 1 (DRG-1	hypothetical prote	cathepsin B (EC 3.	probable oxidoredu hvpothetical prote	long-chain fatty a	u-plasminogen acti	alpha-amylase (EC	self-incompatibili	hypothetical prote	hypothetical prote	hypothetical prote	metalloprotennase methionine-tRNA li	hypothetical prote	hypothetical prote E2 glycoprotein pr	hypothetical prote	insulin receptor - hymothetical prote	yersiniabactin bio	probable polyketid	high-sulfur kerati	osmotin-like prote	CD27 antigen precu	Ly-49F-GE antigen	nypocnetical proce u-plasminogen acti	conserved hypothet	hypothetical prote	hypothetical prote	molybdenum formylm	wheat aluminum ind hypothetical prote	arylsulfatase acti	hypothetical prote	hypothetical prote	gene murine tumour	tumor necrosis fac	rotein -	gene F protein - N	the state of
12	000	7 -	0 N	ı	N 10	п (	N N	Ν.	0 0	N (N	∾ ,	٦ ،	N	<b>н</b> с	N (1	7	<b>-</b> 1 с	N (V	101	7 0	1 71	0 C	N (V	~	7 7	7	- ~	7	<b>~</b> ~	1 (1	01	٦,	~	v (v	7	N 0	101	~	N N	ı	01 C	1 03	7	0 0	1 (1	00	4 (4
9 550 9 571 9 600 9 600																																															
4 4 4 4 4	4.4.4	4.4.	4. 4	. 4.	4. 4.	2.0	4 4	74 2.	3.5	3.5	3.5	0.0	3.5	3.5	3.5	3.5	3.5	3.5		3.5 5.5	3.5	3.5	3.5	3.5	3.5	3.5 2.	3.5	3.5	3.5	73 2.			600		.2			. i				. ~				6,0	
125 126 127 128	9 7 6	3 6	3.4	98	38	39	4 1 1	42	4 4 6 4	45	46	4 4 6 8	49	9 5	25	53	54 7.	26	57	20 00	09	61	63	64	99	67	9 6	20	12	73	47	76	77	9,0	80	81	83	84	8 8 8	87	8 6	3 6	91	93	1 4	56	97

protein T22H2.6 [i hypothetical prote hypothetical prote hypothetical prote phospho-2-dehydro- DNA/RNA-bindling pr agglutinin precurs chitinase [EC 3.2. hypothetical prote protein R09B5.5 [i	probable PPB prote NADH2 dehydrogenas IEP SSP 9502 - hum endoglucanase B pr spore coat protein hypothetical prote probable sugar tra protein C45G9.6 [1 mitogen-activated glycerol-3-phospha sodium-dependent n subtlifain-like pr	hypothetical prote hypothetical prote hypothetical prote complement C6 prec hypothetical prote glycoprotein IID - hypothetical prote hypothetical prote protein let-23 (im beta transducin-1) protein-tyrosine k WD-repeat protein F1003.12 protein - hypothetical prote agdisactucal prote hypothetical protein - hypothetical prote agdisactucal prote	ultra-high-sulfur osteonectin precur hypothetical prote unknown protein F2 Balbiani ring 2 ch hypothetical prote apoptosis-mediatin LIM protein - huma probable 3-carboxy hypothetical prote xcpy protein - Pse hypothetical prote xcpy protein - Pse hypothetical prote hypothetical prote hypothetical prote hypothetical prote hypothetical prote hypothetical prote	hypothetical prote hemorrhadic protein probable carotenoid streptogrisin C (E hypothetical prote ovoinhibitor precu probable pleiotrop Ammonium transport hypothetical protein probable peptidase hypothetical protein probable peptidase hypothetical protein oxid hypothetical protein mollydopterin oxid hypothetical protein hypothetical protein mollydopterin oxid hypothetical protein wollydopterial protein hypothetical protein hypothetical protein mollydopterial protein hypothetical protein more hypothetical protein more mercantine dehydroge meprin A (EC 3.4.2
71 2.8 318 2 71 2.8 345 2 71 2.8 345 2 71 2.8 358 2 71 2.8 358 2 71 2.8 361 2 71 2.8 377 2 71 2.8 377 2 71 2.8 377 2 71 2.8 377 2	71 2.8 394 2 71 2.8 591 2 71 2.8 511 2 71 2.8 511 2 71 2.8 551 2 71 2.8 561 2 71 2.8 561 2 71 2.8 721 2 71 2.8 721 2 71 2.8 727 2 71 2.8 728 2	71 2.8 809 2 71 71 2.8 809 2 71 71 2.8 809 2 71 71 2.8 809 2 71 71 2.8 1037 2 71 71 2.8 1246 2 71 71 2.8 1374 2 71 7 2.8 1374 2 71 7 2.8 1374 2 71 7 2.8 1374 2 71 7 2.8 1374 2 71 7 2.8 1374 2 70.5 2 8 146 2 70.5 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	70.5 70.5	1398 70.5 2.8 410 2 723264 1399 70.5 2.8 416 2 A37877 1400 70.5 2.8 455 2 A53669 1401 70.5 2.8 457 2 A53669 1402 70.5 2.8 470 2 F85164 1403 70.5 2.8 472 1 A26730 1406 70.5 2.8 504 2 A96671 1406 70.5 2.8 514 2 A96671 1406 70.5 2.8 514 2 A96671 1407 70.5 2.8 517 2 E87556 1409 70.5 2.8 6218 2 F82132 1409 70.5 2.8 6218 2 F82132 1410 70.5 2.8 662 2 S71949 1411 70.5 2.8 660 2 S71949 1412 70.5 2.8 697 2 C75525 1413 70.5 2.8 738 2 D86345 1414 70.5 2.8 760 2 D83743 1416 70.5 2.8 760 2 D83743
kexin-like protein hypothetical prote godium-dependent n hypothetical prote S receptor kinase receptor protein pr env polyprotein pr hypothetical protein pr hypothetical protein M polyprotein pre maphorin F precu M polyprotein prechypothetical protein pr	probable cation transforming strong probable cation transforming growt gibberellin-regula proteinase inhibit transforming growt transforming growt transforming growt hypothetical prote hypothetical prote	high sulfur protein trypsin inhibitor hypothetical protein hypothetical protein hypothetical protein hypothetical protein hypothetical protein lymphocyte activat G protein-coupled ChiB protein limpo surface antigen 51 hypothetical protein hypothetical protein hypothetical protein hypothetical protein hypothetical protein alpha-1.3 fucosylt	cell division prot cell division prot hypothetical prote S-locus specific g hypothetical prote coagulation factor il protein - human dystrophin-associa hypothetical prote disintegrin (EC 3. hypothetical prote choline O-acetyltr MPS! protein - mou	agaites sialogyco disintegrin (BC 3. F22W8.3 protein - env polyprotein pr curly leaf protein hypothetical prote hypothetical prote hypothetical prote probable acetyl-Co insulin receptor ( transcription adap genome polyprotein hypothetical prote probable transcrip probable transcrip probable transcrip hypothetical prote hypothetical prote hypothetical prote
2.8 644 2 2.8 693 2 2.8 693 2 2.8 730 2 2.8 854 2 2.8 870 2 2.8 970 2 2.8 1016 2 2.8 1146 2 1513 2	2.88 159 11.59 2.88 159 11.59 2.88 159 11.59 11.59 2.88 159 11.59 2.88 159	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 8 8 8 2 2 2 8 8 8 8 2 2 2 8 8 8 8 2 2 8 8 8 2 2 8 8 8 2 2 2 8 8 8 2 2 3 4 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5	71.5 2.8 744 2 A43353 71.5 2.8 744 2 A43353 71.5 2.8 748 2 S66129 71.5 2.8 752 1 VCLGGG 71.5 2.8 952 2 T10127 71.5 2.8 952 2 T10127 71.5 2.8 1391 2 T20406 71.5 2.8 1391 2 T20406 71.5 2.8 1391 2 T20413 71.5 2.8 2054 2 T32413 71.5 2.8 2064 2 T32413 71.5 2.8 2064 2 T32413 71.5 2.8 2064 2 T32413 71.5 2.8 2061 2 S57245 71.5 2.8 2010 2 S57245 71.5 2.8 2101 2 S57245 71.7 2.8 215 2 P91005 71.7 2.8 215 2 P91005 71.7 2.8 215 2 P91005 71.7 2.8 215 2 P91005 71.7 2.8 215 2 P91005

TO THE BOOK HOOM TO BOOK TO BOOK TO BOOK TO THE TANKE THE PRICE TO THE BOOK BOOK BOOK BOOK BOOK BOOK BOOK BOO
6261616164644646464646464646464646464646
0.5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
анаанааннаааааанны нааааааааааааааааааа
$\begin{array}{c} 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ $
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.พ.
のの6 8 8 8 8 8 8 8 8 8 8 9 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

probable transamin probable splicing conjugal transfer 3-oxoacyl-[acyl-ca tniQ protein homol ferredoxin [import hypothetical prote hypothetical prote hypothetical 23.8K Hemolysin III [imp hypothetical prote diacylglycerol kin hypothetical prote glucoamylase [impo hypothetical prote hypothetical prote cathepsin B (EC 3. probable lysine-tR hypothetical prote exsE protein (AJ22 LDL receptor precu probable protein k hypothetical prote VLDL receptor prec hypothetical prote scavenger receptor probable complemen protein-tyrosine k kinase-related pro hemagglutinin/hemo hemagglutinin/hemo hypothetical prote hypothetical prote hypothetical prote prote cytochrome b5-rela S-locus-specific g traB protein - Agr hypothetical prote exo-alpha-sialidas tniQ protein homol hypothetical prote probable zinc meta cellulose 1,4-beta monophenol monooxy conserved hypothet lanosterol synthas - Melolo hypothetical prote hypothetical prote probable two-compo chromosome disjunc kinesin fibronectin recept Hemolysin III [imp conserved hypothet ammonium transport sensor histidine k death receptor-6 endothelin-convert endothelin convert ADAM 5 protein pre HF-1 regulatory el ATP-binding casset viral capsid assoc insulin receptor-r Burface protein thrombospondin 4 epidermal growth tyrosine kinase protein F47F6.5 protein probable

```
neutrophil granules matrix glycoprotein SGP28 precursor - human
C;Species: Homo sapiens (man)
C;Date: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: S66691; S74313; S66683
R;Kjeldsen, L.; Cowland, J.B.; Johnsen, A.H.; Borregaard, N.
EsES Lett. 1360, 246-250, 1996
A;Title: SGP28, a novel matrix glycoprotein in specific granules of human neutrophils with A;Reference number: S68691; MUID:96186934; PMID:8601434
                                                                                                                                                                                                                                                                                                                                                                                              A,Gene: SGP28 C;Superfamily: cysteine-rich secretory protein 1 C;Superfamily: cysteine-rich secretory protein 1 E;1-19/Domain: signal sequence #status predicted <SIG> F;1-19/Domain: signal granules matrix glycoprotein SGP28 #status predicted <MAT>
                                         vitellogenin precu
cation-independent
transforming growt
phospholipase A2 i
transforming growt
membrane protein y
hypothetical prote
hypothetical prote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DMRRLDWSDSLAQLAQARAALCGI----PTPSLASGLWRTLQVGWNMQLLPAGLASFVEV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAYS 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              structural polypro
oocyst wall protei
protein-tyrosine k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Accession: S68683
A; Status: preliminary
A; Molecule type: mRNA
A; Residues: 1-105, 'S', 107-245 <KRA>
A; Residues: 1-105, 'S', 107-240; NID:g1262818; PIDN: CAA64527.1; PID:g1262819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 LLAVLLALLGTTWAEVWP--PQLOEQAPMAGALNRKESFL---LLSLHNRLRSWVQPPAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.9%; Score 250; DB 2; Length 245; 27.1%; Pred. No. 1.7e-11; ve 44; Mismatches 108; Indels
                                                                                                                                                                                     ALIGNMENTS
VHWVB2
S36016
S70713
S45289
150726
A48545
A48545
A48545
BFHU1
B64758
C98167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 27.19
Matches 76; Conservative
 1245
1252
1369
1782
2470
2470
147
160
172
189
 2222222222
                                                                                                                                                                                                                                                                                                                                                                         A; Accession: $68691
A; Molecule type: mRNA
 70
70
70
70
70
69
59
69
59
69
59
59
59
59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C, Genetics
 14990
14991
14991
14993
14994
1499
1499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
```

184 PGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRLN

173

. 엄 8 8

유 장 244 ISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREB-ECSCVC 282
209 YEDLYSNCK -----SLKALTLTCKHQLVRDSCKASCNC 240

```
testis specific, vespid, and pathogenesis-related protein 1 precursor - human C;Species: Homo sapiens (man)
C;Decies: Homo sapiens (man)
C;Date: 01-May-1997 #text_change 09-Jul-2004
C;Accession: JCS308; PC4311
R;Rich, T.; Chen, P.; Furman, F.; Huynh, N.; Israel, M.A.
A;Rich, T.; a novel human gene with sequence similarity to genes of diverse species A;Reference number: JCS308; MUID:97128816; PMID:8973356
A;Accession: JCS308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Molecule type: mRNA
A;Residues: 1-266 <RIC1>
A;Cross-references: UNIPROT:P48060; EMBL:X91911; NID:g1030052; PIDN:CAA63005.1; PID:g103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Gene: rtvp-1
C;Superfamily: yellowjacket venom allergen antigen 5
C;Lyl-21/Domain: signal sequence #status predicted <SIG>
F;22-266/Product: testis-specific, vespid, and pathogenesis-related protein 1 #status pr
F;23-255/Domain: transmembrane #status predicted <TMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Residues: 1-312 «KIR»
A;Cross-references: UNIPROT:Q09566; EMBL:U23514; NID:g746484; PID:g746485; PIDN:AAC46538
A;Experimental source: strain Bristol N2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL 153
                                                                                                                                                                  | |: ::||: || |: ||:|| :| |:|| :|| EDFIKDCVRIHNKFRSEVKPTASDMLYMTWDPALAQIAKAWASNCQFSHNTRLKPPHKLH 80
                                                                                                                                                                                                                                                                                                                        154 VWATSSQLGCGRHLCS--AGQTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207
                                                                                                                                                                                                                                                                         154 VWATSSQLGCGRHLCS--AGQTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C.Species: Caenorhabditis elegans
C.Species: Caenorhabditis elegans
C.Species: Caenorhabditis elegans
C.Saccession: T16415
R.Kirsten, J.
Submitted to the RML Data Library, March 1995
A.Description: The sequence of C. elegans cosmid F48E8.
A.Reference number: $59413
A.Accession: T16415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   47 ESFL--LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 266;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein F48E8.1 - Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.1%; Score 231; DB 2;
llarity 32.4%; Pred. No. 4.8e-10;
Conservative 27; Mismatches 62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Gene: CESP:F48E8.1
A;Introns: 28/1; 94/3; 153/3; 174/3; 226/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Molecule type: protein; Residues: 97-100;114-120;134-144 <RIC2>; Experimental source: brain tumor cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Accession: PC4311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mar
Local Sin
58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94
                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                               g
                                                                                                                      ò
                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                             ð
                                                                       C;Species: Mus musculus (house mouse)
C;Species: J9-May-1995 #sequence_revision 21-Jul-1995 #text_change 09-Jul-2004
C;Accession: S2281
R;Rauch, U; Forsberg, N.; Kulbe, G; Arnold-Ammer, I; Faessler, R.
submitted to the EMBL Data Library, February 1995
A;Boscription: Amino acid sequence of mouse neurocan and brevican and their different ex A;Reference number: S2281
A;Boscription: Amino acid sequence of mouse neurocan and brevican and their different ex A;Reference number: S2281
A;Accession: S2281
A;Accession: S2281
A;Accession: S2281
A;Accession: S2281
A;Residues: 1-1268 «RAU»
A;Residues: 1-1268 «RAU»
A;Cross-references: UNIPROT: P55066; EMBL:X84727; NID:g758629; PIDN:CAAS9216.1; PID:g7586
C;Superfamily: aggreean; C-type lectin homology; complement factor H repeat homology eLNK2>
F;274-255/Domain: link protein repeat homology eLNK2>
F;264-955/Domain: G-type lectin homology eLNH>
F;1040-1160/Domain: C-type lectin homology eLNH>
F;1040-1160/Domain: complement factor H repeat homology eFHD>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gloma pathogenesis-related protein - human
C;Species: Homo sapiens (man)
C;Accession: JC4131
R;Murphy, E.V.; Zhang, Y.; Zhu, W.; Biggs, J.
Gene 1:35, 131-135, 1395
A;Title: The human glioma pathogenesis-related protein is structurally related to plant
A;Reference number: JC4131; MUID:95331646; PMID:7607567
A;Residues: JC4131; MUID:95331646; PMID:7607567
A;Residues: 1-219 cMUR>
A;Residues: 1-219 cMUR>
A;Residues: 1-219 cMUR>
A;Residues: L-219 cMUR>
A;Residues: GB:U16307; NID:gl100927; PIDN:AAA82731.1; PID:g847722
A;Experimental source: brain tumor
C;Genetics:
A;Genetics:
A;Genetics:
C;Genetics:
C;Gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .019 GFICLCLPSYGGSLCEKDT----EGCDRGWHKFQGHCYRYFAHRRAWEDAERDCRRRAGH 1074
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -----NSFGHENSWIGLNDRTVERDFQWTDNTGLQYE 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               232 CRMSCONHGRINISTCH-----CHCPPGYTGRYCQV-----RCSLQCVHGRFREEECS 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  280 ---CVCDIGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKCQRKGGV 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ----T 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LAQIKSQKVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 177 AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC----TASVSGCFKAWDHAGGLCEVPRNP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    908 ASVSSGEPTGLWDI-PSTLIPVSLGLDESVLNVVAESPSVEG---FWEEVASGQEDPTDP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          47 ESFL--LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              394 SFAFGOPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1268;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 219;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
9.3%; Score 236; DB 2; Length 120
Best Local Similarity 25.3%; Pred. No. 9.2e-10;
Matches 73; Conservative 39; Mismatches 119; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.2%; Score 232; DB 2; 32.4%; Pred. No. 3.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       58; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LTSVHSPEEHKFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
```

q

ò 셤 ò g à g

8

RESULT 3

ઠ ద ð

7;

```
Cysteine-rich secretory protein 1 precursor - human (15pecies: Homo sapiens (man) (2)pecies: Homo sapiens (man) (2)pecies: Homo sapiens (man) (2)pate: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004 (2)Accession: 586684 (2)Accession: 586684 (2)Accession: 586684 (2)Accession: 236, 827-836, 1996 (2)Accession: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: mRNA
A;Residues: 1-249 <KRA>
A;Cross-references: UNIPROT:P54107; EMBL:X95237; NID:g1262814; PIDN:CAA64524.1; PID:g126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Accession: $28764
R;Rauch, U.; Karthikeyan, L.; Maurel, P.; Margolis, R.U.; Margolis, R.K.
B. Biol. Chem. 267, 19536-19547, 1992
A;Title: Cloning and primary structure of neurocan, a developmentally regulated, aggrega
A;Reference number: $28764; MUID:92406907; PMID:1326557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Accession: S28764
A;Molecule type: mRNA
A;Cross-references: UNIPROT:P55067; EMBL:W97161; NID:g205649; PIDN:AAC37679.1; PID:g2056
C;Superfamily: aggrecan; C-type lectin homology; complement factor H repeat homology; EG
C;Superfamily: aggrecan; C-type lectin homology; Complement factor H repeat homology; EG
E;22.2Domain: signal sequence #status predicted <MAT>
F;23.1257/Product: neurocan #status predicted <MAT>
F;23.1257/Product: neurocan #status predicted <MAT>
F;23.1257/Product: neurocan repeat homology <LNKL>
F;364.356/Domain: link protein repeat homology <LNKZ>
F;364.356/Region: cell attachment (R-G-D) motif
F;953-984/Domain: EGF homology <EGF>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         יו
בי
163 YYYVCQYCPAGN-NMNRKN-TPYQQGTPCAGCPDDCDKGLCTNSCQYQDLLSNCDSLKNT 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91 IPTPSLASGLWRTLQ---VGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECAR---N 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  84 M---TESNPLERRLPNTFCGENMEMTSYPV-SWSSVIGVWYSESTSFRH--GEWITTDDD 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        145 ATCTHYTOLVWATSSOLGCGRHLCSAGOTAIEAFVCAYSPGGN-WEVNGKTIIPYKKGAW 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               138 ITTDHYTQIVWATSYLIGCAIASCRQQGSPRYLYVCHYCHEGNDPETKNE---PYKTGVP 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          204 CSLCTASVSGCFKAWDHAGGLCE--VPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQ 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----CEDKLCTNPC-IYYDBYFDCDIOVHYLGCNHSTTILFCK 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C;Superfamily: cysteine-rich secretory protein 1
F;1-21/Domain: signal sequence #status predicted <SIG>
F;22-249/Product: cysteine-rich secretory protein 1 #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C;Species: Rattus norvegicus (Norway rat)
C;Date: 22-Nov-1993 #sequence_revision 01-Sep-1995 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31 POLOEQAPMAGALNRKESFLLLSLHNRLRSWVOPPAADMRRLDWSDSLAQLAQARAALCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 249;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.4%; Score 213.5; DB 2;
27.2%; Pred. No. 9.1e-09;
tive 40; Mismatches 90;
                                                                          221 AGGLCEVPRNPCRMSC 236
                                                                                                                      221 AGCEHELLKEKCKATC 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 66; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neurocan precursor - rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 66; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              195 CEACPSN-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATC 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    262 VRC 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Accession: S68684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           38
                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
유
                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cysteine-rich secretory protein 2 type I precursor - human
NyAlternate names: testis-specific protein
Cispecies: Homo appine (man)
Cipacies: Homo appine (man)
Cipacies: Homo appine (man)
Cipacies: Homo appine (man)
Cipacession: B33329; 868682
Cipacession: B33329; 868682
Cipacession: B33329; 868682
A; Title: Cloning and mapping of a testis-specific gene with sequence similarity to a specific: Cloning and mapping of a testis-specific gene with sequence similarity to a specific strus: preliminary
A; Reference number: A33329; MUD: 90129048; PMID: 2613236
A; Retsius: preliminary
A; Residues: 1-243 «KAS»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Cross-references: UNIPROT:P16562; GB:M25532; NID:g339882; PIDN:AAA61220.1; PID:g339883
R;Kraetzschmar, J.; Haendler, B.; Eberspaecher, U.; Roosterman, D.; Donner, P.; Schleuni
Eur. J. Biochem. 236, 827-836, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Title: The human cysteine-rich secretory protein (CRISP) family. Primary structure and A;Reference number: $68681; MUID:96270732; PMID:8665901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A,Map position: 6p21-6qter
C,Superfamily: cysteine-rich secretory protein 1
871-20/Domain: signal sequence #status predicted <SIG>
P;21-243/Product: cysteine-rich secretory protein 2 type I #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60 SWVQPPAADMRRLDWSDSLAQLAQARAALCGI----PTPSLASGLWRTLQVGWNMQLLPA 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              116 GLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAI 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FPSHFQSD----SGLLSRSEHPNEYLKKWITHEHNRYRRRWV--PASDMNMLYWSDELAASA 113
                                                                                                                                                                                                                                                                                                                                           83 QARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQR----YSHAA 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 139 GECARNATCTHYTQLVWATSSQLGCGRHLCSA----GQTAIEAFVCAYSPGGNWEVNGK 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ---LCTAS-----VSGCFKAWDH 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: EMBL:X95239; NID:g1262816; PIDN:CAA64526.1; PID:g1262817
C;Genetics:
A;Gene: GDB:TPX1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            166 KHC-----CGHYVQVVWAKTNLVGCGFSRCRDVQGVWGRGHRNVFVCHYNPQGN-----
                                                                                                                                                                                     29 WPPQLQEQAPMAGALNRKE---SFL---LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -ALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 LVTVLLPSLPAEGKDPAFTALLTT-----QLQVQRE------IVNKHNELR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  194 TIIPYKKG-----AW-----CSLCTASVSGCFKAWDHAGGLCEVPRN 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90;
                                                                                                                  90 ;
                                       Length 312;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8.7%; Score 221; DB 2; Length 24
28.1%; Pred. No. 2.4e-09;
tive 36; Mismatches 88; Indels
                                                                                                                  75; Indels
                                   8.9%; Score 224; DB 2;
29.7%; Pred. No. 1.9e-09;
cive 28; Mismatches 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                176 EAFVCAYSPGGNWEVNGKTIIPYKKGAWCS---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Cross-references: GDB:120760; OMIM:187430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 28.1%
Matches 72; Conservative
                                                                                                                  69; Conservative
                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A,Status: preliminary
A,Molecule type: mRNA
A,Residues: 1-243 <KRA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 LLAVLL----
                                   Query Match
Best Local S:
Matches 69
                                                                                                                                                                                                                                                                59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
```

us-09-943-664-50.rpr

```
PIDN:BAA32029.1; PID:g3
the association between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for the interaction between sper-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        versican precursor - mouse.
N;Alternate names: chondroitin sulfate proteoglycan 2; chondroitin sulfate proteoglycan
                                                                                                                                                                         change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S8 NILKMEWNVQAAANAQKWANNC-ILEHSSTEDRKINIKCGENL-YMSTDPTSWRTVIQSW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 LLAVLLALLGT-----TWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DWRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFVEVVSLW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              128 FAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAYSPGGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          116 YEENENFVFGVG-AKPNSAVGHYTQLVWYSSFKVGCGVAYCPNQDTLKYFYVCHYCPMGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           188 WEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCONHGRLNISTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           175 NVMKKST--PYHQGTPCASCP---NNC-----DNGLC---TNSCDFEDL-----LSNC
--- LCEGKIH 244
                                                                                                                                                                 C; Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change 09-Ju. C; Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change 09-Ju. C; Accession: JE0204
R; Maded, T; Sakashita, M.; Ohba, Y.; Nakanishi, Y.
Biochem. Biophys. Res. Commun. 248, 140-146, 1998
A; Title: Molecular cloning of the rat tpx-1 responsible for the inter A; Reference number: JE0204; MUID: 98340864; PMID: 9675100
A; Recession: JE0204
A; Molecule type: mRNA
A; Residues: 1-243 *MAE>
A; Residues: 1-243 *MAE>
A; Comment: This protein functions as a cell adhesion protein for the C; Genetics:
A; Map position: 17
C; Superfamily: cysteine-rich secretory protein 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            248 HCHCPPGYTGRYCQVRCSLQCVHGRFREE-ECSCVCDIGYGGAQCATKVH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8.2%; Score 208; DB 2; Length 24
25.5%; Pred. No. 2.3e-08;
ive 41; Mismatches 113; Indels
  --GHEDKYTNCKYLKKMLSCEH-ELLKKGCKATC---
                                                                                                                     testicular protein Tpx-1 - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E-----SLKSSAGCKHELLKAKCEATCLCE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2095-2126/Domain: BGF homology <BG1>
2133-2164/Domain: BGF homology <BG2>
2171-2291/Domain: C-type lectin homology <LCH>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N; Contains: glial hyaluronate-binding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89
  207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Loca
Matches
  음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
A49202
cysteine-rich secretory protein-1 - mouse
N;Allernate names: CRISP-1
C;Species: Mus musculus (house mouse)
C;Species: Was musculus (house mouse)
C;Species: Was musculus (house mouse)
C;Species: J9-Ber-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C;Accession: A49202
R;Haendler, B.; Kratzschmar, J.; Theuring, F.; Schleuning, W.D.
Endocrinology 133, 129-198, 1993
A;Title: Transcripts for cysteine-rich secretory protein-1 (CRISP-1; DE/AEG) and the nov A;Reference number: A49202; MUID:93307144; PMID:8319566
A;Accession: A49202
A;Status: prellminary
A;Molecule type: nucleic acid
A;Residues: 1-244 *AHES
A;Cession: Apsolute: UNIPROT: Q03401; GB:L05559; NID:g309190; PIDN:AAA37460.1; PID:g309191
A;Experimental source: NMEL, epididymis, salivary gland
A;Experimental source: NMEL, epididymis, salivary gland
A;Note: sequence extracted from NCBI backbone (NCBIN:134675, NCBIP:134676)
C;Superfamily: cysteine-rich secretory protein 1
F;1029-1149/Domain: C-type lectin homology <LCH>
F;1156-1212/Domain: complement factor H repeat homology <FHD>
F;1156-1213/Domain: complement factor H repeat homology <FHD>
F;121,339,737,967,1164/Binding site: carbohydrate (Asn) (covalent) #status predicted
F;372,410/Binding site: chondroitin sulfate (Ser) (covalent) #status experimental
F;944/Binding site: chondroitin sulfate (Ser) (covalent) #status experimental
                                                                                                                                                                                                                                                                                                                                                                                                  1014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EBHKFI-------NSFGHENSWIGLNDRIVERDFQWIDNTGLQYENWREKQP 1115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15;
                                                                                                                                                                                                     10;
                                                                                                                                                                                                                                                                                                                                                  283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  206
                                                                                                                                                                                                                                                                                                                                                                                                                                                   284 IGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQ 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRT--LQVGWNMQLLPAGLASFVEVV 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAYSP 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHA-GGLCEVPRNPCRMSCQNHGRLN 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 956 NPCLHGGTCRTNGTMYGCSCDQGYAGENCEIDIDDCLCS-PCENGGTCIDEVNGFICLCL
                                                                                                                                                                                                                                                   177 AFVCAYSPGGNWEVNGKTIIPYKKGAWCS--LCTASVSGCFKAWDHAGGLCEVPRNPCRM
                                                                                                                                                                                                                                                                                                 897 ASVSSGEPTRLWDI-PSTLIPVSLGLDESDLKVVAESPGLEGFWEEVASGQEDPTDPCEN
                                                                                                                                                                                                                                                                                                                                                  SCONNG---RLNISTCHCHCPPGYTGRYCQV-----RCSLQCVHGRFREEECS---CVCD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LLAVILALLGTTWAEVWPPQLQEQAPMAGALNRKESFL----LLSLHNRLRSWVQPPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                114 QGWYNEYKDLTYDVGPKQPDSVVGHYTQVVWNSTFQVACGVAECPKNPLRY-YYVCHYCP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VGNYQ--GRLYTPYTAGEPCASCP------DHCEDGLC---TNSC------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     244 ISTCHCHCPPGYTGRY--CQ-VRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVH 296
                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99
                                                                                                                                                                                                     44;
                                                                                                                                                    Length 1257;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 244;
                                                                                                                                                  Query Match 8.4%; Score 212; DB 2; Length 12: Best Local Similarity 24.8%; Pred. No. 5.7e-08; Matches 70; Conservative 34; Mismatches 134; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      44; Mismatches 110; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNF-----FAGGEDCVVMVAHENGRWNDVPCNYNLPYVCK 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.3%; Score 209; DB 2;
ilarity 25.7%; Pred. No. 1.9e-08;
Conservative 44; Mismatches 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ::
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ::
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  341
                                                                                                                                                                                                                                                                                                                                                  235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
Matches
                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    염
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

115

187 174

127

57 67

```
A;Title: Mapping of the versican proteoglycan gene (CSPG2) to the long arm of human chrc. A;Reference number: I54179; MUID:93122792; PMID:1478664
A;Accession: I54179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Superfamily: versican; C-type lectin homology; complement factor H repeat homology; EC P;1-20/Domain: signal sequence #status predicted <SIG>P;1-20/Domain: signal sequence #status predicted <SIG>P;21-2409/Product: protecin repeat homology <LINX:>P;265-346/Domain: link protein repeat homology <LINX:>P;265-346/Domain: link protein repeat homology <LINX:>P;265-1654/Domain: chondroitin sulfate attachment #status predicted <GAG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Date: 09-Mar-1990 #sequence_revision 09-Mar-1990 #text_change 09-Jul-2004
C;Accession: A33329
R;Kasahara, M.; Gutknecht, J.; Brew, K.; Spurr, N.; Goodfellow, P.N.
Genomics 5, 527-334, 1989
A;Title: Cloning and mapping of a testis-specific gene with sequence similarity to a spe A;Reference number: A33329; MUID:90129048; PMID:261336
A;Accession: A33329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-243 «KAS>
A;Cross-references: UNIPROT:P16563; GB:M25533; NID:g202126; PIDN:AAA40472.1; PID:g202127
C;Superfamily: cysteine-rich secretory protein 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2109 NPC-----LNGGTCYPTETSYVCTCVPGYSGDQCELDFDECHSNPCRNGATCVDGF 2159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2211 RLOGAHLTSILSHERO----MFVNRV-----GHDYQ----WIGLNDKMFEHDFRWTDG 2255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2160 NTFR-----CLCLPSYVGALCEQDT----ETCDYGWHKFQGQCYKYFAHRRTWDAAEREC 2210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  387
                                                                                                                                                                                                                                                                                                                 R;Iozzo, R.V.; Naso, M.F.; Cannizzaro, L.A.; Wasmuth, J.J.; McPherson, J.D. Genomics 14, 845-851, 1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  328 QRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         272 -RFREEECSCVCDIGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STLOYENWRPNOPDS----FFSAG----EDCVVIIWHENGOWNDVPCNYHLTYTCK 2303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 --RCSLQCVHG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   388 EHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Molecule type: DNA
A;Residues: 251-347 <RES>
A;Cross-references: GB:S52488; NID:g263313; PIDN:AAB24878.1; PID:g263314
                                           brain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                62;
                                       A;Title: Isolation of a large aggregating proteoglycan from human A;Reference number: A45131; WUID:93054750; PMID:1429726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.8%; Score 196; DB 1; Length 2409;
26.8%; Pred. No. 1.7e-06;
cive 27; Mismatches 83; Indels 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;2106-2137/Domain: EGF homology <EG1>
;2144-2175/Domain: EGF homology <EG2>
;2182-2302/Domain: C-type lectin homology <LCH>
;2182-2305/Domain: C-type lectin homology <FHD>
;2209-2365/Domain: complement factor H repeat homology <FHD>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 230 NPCRMSCQNHGRLNISTCH-----CHCPPGYTGRYCQV-----
                                                                                                                                                                                                                                                                                    (NCBIP:118884)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 193.5; DB 2;
Pred. No. 2.8e-07;
                                                                                                                                                                            A;Molecule type: protein
A;Residues: 21-22,'X',24-37 <PE2>
A;Experimental source: brain
A;Note: sequence extracted from NCBI backbone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Cross-references: GDB:127873; OMIM:118661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: translated from GB/EMBL/DDBJ
       J. Biol. Chem. 267, 23883-23887, 1992
A; Title: Isolation of a large aggregat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 7.8%
Best Local Similarity 26.8%
Matches 63; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Map position: 5q12-5q14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                               A; Accession: A45131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Gene: GDB: CSPG2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Versican precursor - human

Versican precursor - human

Versican precursor - human

Nichontains glial hydiuronate-binding protein

Nichontains glial hydiuronate-binding protein

Cipecesies (moderate capacies chondrottin sulfate proteoglycan)

Cipecesies (moderate capacies chondrottin sulfate proteoglycan)

Cipecesies (moderate capacies)

Cipecesies (moderate capacies)

Ridmermann, D. R.; Rucelabni, E.

Ridmermann, D. R.; Rucelabni, E.

Ridmermann, D. R.; Rucelabni, E.

Ridmermenn, D. R.; Rucelabni, E.

Ridmermenn, D. R.; Rucelabni, E.

A./Reterence number: S06014

A./Reterence number: S06014

A./Reterence number: S06014

A./Reterence number: S06014

A./Reterence number: S13221

A./Reterence number: S13221

A./Reterence number: S1321

A./Reterence number: A./S1326

A./Reterence number: A./S1386

A./Reterence number:
                                                                                                                                                                                                                                                                             2094 LCKT--NPC-----LNGGTCYPTETSYVCTCAPGYSGDQCELDFDECHSNPCRNGA 2142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2194 AAERECRLOGAHLTSILSHEEO----MFVNRV-----GHDYQ----WIGLNDKMFEHD 2238
                                                                                                                                                                                                                                                                                                                                                                                                                     2143 TCVDGFNTFR-----CLCLPSYVGALCEQDT----ETCDYGWHKFQGQCYKYFAHRRTWD 2193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2239 FRWTDGSALQYENWRPNQPDS----FFSAG---EDCVVIIWHENGQWNDVPCNYHLTYTC 2291
                                                                                                                                               13;
                                                                                                                                                                                                                                                                                                                                                     267 QCVHG--RFREEECSCVCDIGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYY 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         322 RARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRWATGEHOAFTSFAFGOPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYIC
                                                                                                                                               Gaps
                                                                                                                                            64;
                                                                       Length 2397;
                                                                                                                                            Indels
F;2298-2354/Domain: complement factor H repeat homology <FHD>
                                                                                                                                                                                                            224 LCEVPRNPCRMSCQNHGRLNISTCH-----CHCPPGYTGRYCQV-
                                                                                                                                            84;
                                                                    Query Match 7.9%; Score 200; DB 1; Best Local Similarity 27.0%; Pred. No. 8.4e-07; Matches 65; Conservative 28; Mismatches 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       K 2292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          442
                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
```

```
time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A,Reference number: A47171; MUID:93300846; PMID:8314802
A,Accession: A47171
A,Accession: A47171
A,Accession: A47171
A,Accession: Detainiary
A,Accession: Preliminary
A,Accession: Preliminary
A,Accession: Detainiary
A,Accession: A1562 cSH1>
A,Residues: 1-3562 cSH1>
A,Residues: 1-3562 cSH2>
A,Residues: 1-3562 cSH2>
A,Residues: 1-3562 cSH3>
A,Resid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        chondroitin sulfate proteoglycan PG-M core protein - chicken
C;Species: Gallus gallus (chicken)
C;Date: 21-Sep-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C;Accession: A47171
R;Shinomura, T.; Nishida, Y.; Ito, K.; Kimata, K.
J. Biol. Chem. 268, 14461-14469, 1993
A;Title: cDNA cloning of PG-M, a large chondroitin sulfate proteoglycan expressed during
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3355 WDTAERECRLQGAHLTSILSHEEQ----VFVNRI------GHDYQ----WIGLNDKMFE 3399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ξ
                                                                                                      VWATSSQLGCGRHLCSAGQTAIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSG 213
                                                                                                                                                                                                                                                                                                                                                                                         141 VMYSSFKIGCGIAYCPNODNLKYFYVCHYCPMGNNVMKKST--PYQQGTPCASCPNN--- 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                             214 CFKAWDHAGGLCEVPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRF 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  320 YYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETINEVTDSDFETRNFWIGLTYKTAK 379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ---SLKTSAGCKH-EL 227
                                                                    66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3400 RDFRWIDGSPLQYENWRPNQPDS----PFSAG---EDCVVIIWHENGQWNDVPCNYHLTY
                                                                    LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPS-----LASG----
                                                                                                                                                                                              -----LWRTLQVGWNWQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   222 GGLCEVP-RNPCRMS-CQNHGRLNISTCH-----CHCPPGYTGRYCQV-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFHTCDL----RIDGDCFMVSSEADT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   380 DSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRY
      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
      77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 7.6%; Score 191; DB 2; Length 3562; Best Local Similarity 25.1%; Pred. No. 5.8e-06; Matches 61; Conservative 35; Mismatches 91; Indels 5:
   93; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -----CE--NGLCTNSCDFEDLL--SNCE--
   30; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              274 REEECSCVCDIGYGGAQCATKVH 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ::| | |:|
LKTKCQATC-----LCEDKIH 243
   Conservative
                                                                                                                                                                                                                                                               101 MSTDPTLWST----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3453 TCK 3455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ICQ 442
63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3302
                                                                                                                                                                                                 100
                                                                                                                                                                                                                                                                                                                                   154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    440
   Matches
                                                                                                                             셤
                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             원
                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
```

```
versican precursor, splice form V2 - bovine C;Species: Bos primigenius taurus (cattle) C;Bate: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004 C;Accession: T14274 R;Schmalfeldt, M.; Dours-Zimmermann, M.T.; Winterhalter, K.H.; Zimmermann, D.R. J. Balol. Chem. 273, 15758-15764, 1998 A;Title: Versican V2 is a major extracellular matrix component of the mature bovine brai A;Reference number: Z17954; WUID:98288320; PMID:9624174
                                                                                                                                                                                                                                                                                                                                                                                                                               A;Wolecule type: mRNA
X;Residues: 1-1643 <SCH-3
A;Cross-references: UNIRKOT:P81282; EMBL:AF060458; NID:g3253303; PID:g3253304; PIDN:AAC2-
A;Experimental source: brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #8t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (covalent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1394 NTFR-----CLCLPSYVGALCEQDT----ETCDYGWHKFQGQCYKYFAHRRTWDAAEREC 1444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1343 NPC-----LINGGTCYPTETSYVCTCVPGYSGDRCELDFDECHSNPCRNGATCIDGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            272 -RFREEECSCVCDIGYGGAQCATKVHFPFHTCDL---RIDGDCFMVSSEADTYYRARMKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      328 QRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   230 NPCRMSCQNHGRLNISTCH-----CHCPPGYTGRYCQV------RCSLQCVHG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1490 STLQYENWRPNOPDS----PFSTG---EDCVVIIWHENGOWNDVPCNYHLTYTCK 1537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (Asn)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQRCKTRNRYICQ 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C; Keywords: glycoprotein
F;1-20/Domain: signal sequence #status predicted <SIG>
F:21-1643/Product: versican, splice form V2 #status predicted <MAT>
F;57,331,352,817,965,1017,1333,1616,1626/Binding site: carbohydrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 7.5%; Score 190; DB 2; Length 1643; Best Local Similarity 26.0%; Pred. No. 3.2e-06; Matches 61; Conservative 28; Mismatches 84; Indels 6;
                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               388
```

Search completed: February 11, 2005, 19:05:00

```
February 11, 2005, 19:05:46 ; Search time 132 Seconds
(without alignments)
1126.294 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                           2529
1 MLHPETSPGRGHLLAVLAL.....RNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PUDLIBRIED APPLICATIONS AND TO THE COMB. DEPT.*

(cgn2_6/ptodata1//pubpaa/US67_NEW_PUB.pept.*)

(cgn2_6/ptodata1//pubpaa/US66_NEW_PUB.pept.*)

(cgn2_6/ptodata1//pubpaa/US66_PUBGOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US66_PUBGOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US08_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US08_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US08_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US08_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US08_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US09_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US09_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US09_NEW_PUB.pept.*)

(cgn2_6/ptodata1//pubpaa/US09_NEW_PUB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)

(cgn2_6/ptodata1//pubpaa/US10B_PUBCOMB.pept.*)
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1376875 segs, 326749119 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published Applications AA:*
                                                                                                                                          OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                           Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Датараве :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Searched:
                                                                                                                                                                                                                 Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description	Sequence 50, Appl	Sequence 47, Appl	Sequence 2, Appli	Sequence 47, Appl	Sequence 2, Appli	Sequence 5, Appli	Sequence 47, Appl	Sequence 2, Appli	Sequence 4, Appli				
SUMMARIES	US-09-944-457-50	US-10-677-471-50	US-10-677-669-50	US-10-901-400-50	US-10-858-981-50	US-09-726-643-47	US-09-790-264-2	US-10-042-141-47	US-10-269-353-2	US-10-169-395-5	US-10-919-272-47	US-10-900-926-2	US-09-790-264-4
DB	۷ ۽	1 5	15	16	17	σ	σ	13	14	15	17	17	σ
* Query Match Length DB 1	455	455	455	455	455	446	446	446	446	446	446	446	420
% Query Match	100.0	100.0	100.0	100.0	100.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	91.6
Score	2529	2529	2529	2529	2529	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2315.5
Result No.	6	2 5	25	26	27	28	53	30	31	32	33	34	35

equence 4,	equence 4.	equence 84,	equence 4,	equence 9,	equence 8,	equence 7,	quence 2,	Sequence 3,	quence 285,	equence 285	equence 285	equence 285	equence 285	equence 285	ednence 782	equence 285	equence 285	equence 260	equence 360	equence 21,	emience 56.	equence 63,	equence 17,	equence 43,	equence 44,	equence 45,	2,5	equence 19,	equence 85,	equence 2.	equence 88,	quence 110,	Sequence 96,	equence 124	equence 405	equence 97,	equence 580	equence 120 equence 42.	equence 46,	equence 363	equence 28,	equence 45,	ນ໌ a	equence 74,	27,	Sequence 25,	109,	Sequence 95,	quence 113,	72,	equence 108,	quence 112,	equence 114,	Sequence 94, Appl Sequence 363, App	
US-10-269-35	US-10-900-926-	US-10-309-290-	US-10-387-495-4	US-10-429-668-	US-10-429-668-	US-10-429-668-	US-10-429-668-	US-10-429-668-3	US-09-905-291A-28	US-10-299-976-28	US-10-299-937-28	US-10-298-993-28	US-10-448-923-28	US-10-449-656-2	US-10-448-713-28	US-10-425-447-28	US-10-215-3/1-28	02-101-111-01-01	05-005-001-00 10-005-001-00-011	TS-09-789-390-7	TIS-10-219-065-5	US-10-416-314-6	US-09-789-390-1	US-09-789-390-4	US-09-789-390-4	US-09-789-390-4	US-09-789-390	US-09-789-390-1	110-00-076-235-8	US-10-417-727-	US-09-800-198-8	US-09-808-602-11	US-09-800-198-96	US-10-058-270A-	US-10-755-889-40	US-09-800-198-97	US-10-243-552-5	US-10-094-888-12	US-09-789-390-4	US-10-205-823-3	US-10-341-434-2	US-10-341-434-4	US-09-800-198-	US-09-789-390-74	US-09-808-602-27	US-09-800-198-	-09-808-602-10	5-09-800-198-9	TT-700-00E-00-	7-06-189-180-180-18	S-09-808-602-10	09-808-602-11	S-09-808-602-11	S-09-800-198 S-10-167-749	
0	0	2	63	63	50 1	25 1	0	93 1	63 9	63 1	63	63 1	63 1	e .	63 1	63	7 .		1 6		97	97 1	97 1	68 1	97 1	97 1	8 1	77 1	אמ הא	55	22	58 9	58 1	58 1	58 1	53	ב ב ב	1 - 1 - 6	91 1	45 1	45 1	45	4 4	91 1	6 00	0	88	80 -	7.0	5 C	6 00	00	000	500 10 500 14	
315.5	5.5	2241 8	280 1	80 1	80 1	80 1	73 1	73 10	72 10.	72 10.	72 10.	72 10.	72 10.	72 10.	72 10.	72 10.	72 10.	72 10.	.01	1 1	60.5 10.	60.5 10.	59.5 10.	57.5 10.	57.5 10	57.5 10	56.5	56.5 10	54.5 IO		54.5 10	54.5	54.5 10	54.5	54.5 10.	53 10.	10.	10	52 10.	52 10.	52 10.	52 10.	0.0	. 6	241	41 9.	9.	240 9.	0.70	27.5	35.5	35.5	35.5	235.5 9.3 235.5 9.3	
36	37	38	39	40	41	42	43	44	47	397	412	538	240	541	542	545 745	222	000	000	925	607	662	664	999	999	299	899	699	671	672	673	674	675	919	677	678	6/9	183	682	683	684	685	- م	-	-		а,	н.	- ا	<b>→</b> -	. ~	Н	⊣.	1151	

Search completed: February 11, 2005, 19:22:51 Job time : 170 secs

This Page Blank (uspto)

е ::

Run

```
115, Appl
1005, Appl
1101, Appl
1101, Appl
1101, Appl
45, Appl
45, Appl
45, Appl
45, Appl
45, Appl
15, Appl
15, Appl
15, Appl
15, Appl
15, Appl
15, Appl
16, Appl
16, Appl
17, Appl
18, Appl
18, Appl
18, Appl
19, Appl
19,
                                                                                        99, Appl
10, Appl
6, Appli
7, Appli
7, Appli
16, Appl
15, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     102, Fp
5, Appli
5, Appli
106, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4, Appli
18, Appli
13, Appli
12, Appli
12, Appli
12, Appli
20, Appli
21, Appli
21, Appli
22, Appli
24, Appli
26, Appli
27, Appli
27, Appli
28, Appli
29, Appli
20, Appli
20, Appli
20, Appli
20, Appli
21, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     107,
                                    Sequence Seq
                                                                                                                                                                                                                                                                                                  Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Seq
                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
US-09-130-287-28

US-07-857-224B-97

US-07-857-224B-99

US-07-857-224B-99

US-08-614-935-6

US-08-614-935-6

US-08-614-935-6

US-09-130-287-6

US-09-130-287-1

US-09-130-287-1

US-09-130-287-1

US-08-455-44-45

US-08-455-44-45

US-08-454-45-1

US-08-454-45-1

US-08-454-45-1

US-08-454-45-1

US-08-454-45-1

US-08-454-46-1

US-08-454-46-1

US-08-454-46-1

US-08-130-287-1

US-08-131-287-1

US-08-141-457-4

US-08-185-43-1

US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               182.5
182.5
182.5
180.5
180.5
180.5
180.5
178.5
178.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   159
158.5
158.5
158.5
158.5
158.5
158.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       164.5
164.5
161.5
161.5
161.5
161.5
161.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     156
155
154.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 285, App
Sequence 1, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 4, Appli
Sequence 7490, Ap
Sequence 7490, Ap
Sequence 7490, Ap
Sequence 7490, Appli
Sequence 5490, Appli
                                                                                                                                                                                                         ; Search time 44 Seconds (without alignments) 771.939 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                    US-09-943-664-50
2529
1 MLHPETSPGRGHLLAVLAL.....RNRYICQFAQEHISRWGPGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                              version 5.1.6
- 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-866-028-50
US-09-944-457-50
US-09-904-457-285
US-09-905-1254-285
US-09-905-775A-285
US-09-905-775A-285
US-09-905-775A-285
US-09-909-06-700-285
US-09-909-06-285
US-09-909-064-285
US-09-909-064-285
US-09-909-064-285
US-09-909-887-1
US-09-199-887-3
US-08-773-368-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-199-887-3
US-09-949-016-7490
US-09-949-016-625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5180808-2
US-08-840-062-5
US-08-614-935-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
                                                                                                                                                                                                            Pebruary 11, 2005, 18:27:16
                                                                                                                                                  protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                 GenCore
Copyright (c) 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1257
2409
2409
1455
151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1100.08
1100.08
100.09
100.09
100.09
100.09
100.09
100.09
100.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Post-processing:
                                                                                                                                                                                                                                                                                                                                                            Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      231
222.5
221.5
221.2
213.5
213.5
213.6
196
196
196.5
                                                                                                                                                     •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB Maximum DB
                                                                                                                                                  OM protein
                                                                                                                                                                                                                                                                                                                                                                                           Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Database
```

Result No.

2002
:03
:20
13
18
Feb
끉

2, Appli 25, Appl 7, Appli	8, Ap Appli	Appli App	App1	Applı Appli	App1i	Appl	Appli	Appli	Appl	Appli	Appli	Appli	Appli	Appli	Appli	Appli	Appli	Appl	Appl	Appli	Appli	Appli	14582	Appli	Appli	Appli Appli	Appli	App11	Appli	Appl1	Appli	Appli	Appli	Appl:	46, Ap	Appii	Appli	Appli	Appli	762, A	Appli	Appli	Appli	514582	02, Ap	Appli	Appli	Appli	Appli	0, App
Sequence 2, Sequence 25, Sequence 7,	Sequence 956 Sequence 5,	Sequence 5,	Sequence 11,	Sequence 8,	Sequence 4,	Sequence 62,	Sequence 6,	Sequence 6,	Sequence 10,	Sequence 10,	Sequence 2,	Sequence 3,	Sequence 3,	Sequence 5,	Sequence 8,	Sequence 8,	Sequence 11.	Sequence 14,	Sequence 17,	Sequence 20,	Sequence 5,	Sequence 4,	Patent No. 55	Sequence 6,	Sequence 2,	Sequence 6,	Sequence 6,	Sequence 2,	Sequence 2,	Sequence 2,	Sequence 2,	Sequence 2,	Sequence 1,	Sequence 2,	Sequence 59	Sequence 2,	Sequence 7,	Sequence 7,	Sequence 1,	Sequence 33	Sequence 48	Sequence 6,	Sequence 6,	Patent No. 5	Sequence 68	Sequence 9,	Sequence 2,	Sequence 3,	quence	quence
US-U9-423-753-3 US-08-872-855-2 US-09-423-753-25 US-09-641-612-7	US-09-949-016-9568 US-08-882-046-5	US-09-566-047-5	US-07-837-2245 III US-08-872-855-11	US-08-400-159-8	US-08-862-040 4 US-09-566-047-4	US-10-000-489-62	US-09-949-016-9961 118-09-111-470-6	US-09-111-102A-6	US-07-930-686-10	US-08-460-998-10	US-09-214-278-2 US-09-855-722-2	US-09-214-278-3	US-09-855-722-3	US-09-214-278-5 TS-09-855-722-5	US-08-611-729A-8	US-09-195-524-8	US-09-541-759-2	US-09-535-521-14	US-09-535-521-17	US-09-535-521-20	US-09-535-521-2 US-09-535-521-5	US-08-840-062-4	5514582-14	3314302-11 US-08-264-534-6	US-08-083-590A-2	US-08-465-500-6	US-08-346-128-6	US-08-532-384-2	US-09-191-647-2	US-09-540-245A-2	US-09-540-153-2 US-09-590-656-2	US-09-733-764-2	US-09-590-656-1	US-08-323-474-2	US-09-949-016-5946	PCT-US93-06093-2	US-09-540-245A-7	US-09-540-153-7	PCT-US91-09055-2 US-09-541-759-1	US-09-270-767-33762	US-09-270-767-48979	US-03-063-040-8 US-08-981-392-6	US-09-908-322-6	5514582-18	5514582-18 TIS-09-949-016-6802	0-560-069-80-SD	US-08-650-578-2	US-08-688-342-3	2 US-09-113-788-3 3 US-09-113-789-9	4 US-09-919-039-130
659 685 685 4 4 4 4 4 4	40	3 44 (	v m	00	J 4	4	4 4	4	-	2	J 4	'n	4	ωA	4 1	4	4, 4	1 4	4	4,	44	ω,	9	٦ ٥	ч	H (	4 C	ω,	ი ო	~	A 4	4	4, 4	r –	4	un r	יויי	(*)	uı v	. 4.	۷. ۱	4. 1.	,	_	~ ~		•••	•••		
							<b></b> -					1 -11	-	<b>.</b>	* <*	4	₩.	# <b>4</b>	. 41	4.	4 4	4	4.	# <b>4</b> *	4	4.	<b>4</b> 4	4.	4 M	m	m 4	ე ო	m	n m	m	ო	<b>7)</b> (1)	m	m c	ı m	m c		. n	m	m, c	1 0	10	4	oi o	9 79
1 1 1 1 4 1 4 4 4 1 1 1 1 1 1	141	141	40.5	39.5	. a . a . a	138	37.5	37.5	37.5	.37.5	37.5	37.5	37.5	137.5	37.5	137.5	137	136	136	136	136	136	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135	135	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	133.5	133.5	133.5	133.5	133	133	132.5	132.5	132.5	132.5	132.5
174 175 176																																																		
			_				•					-						_										_	_			_	<u>.</u>		_		•												_	
Sequence 104, App Sequence 5, Appli Sequence 5, Appli	Sequence 103, Appli	Sequence 7, Appli Sequence 112, App	Sequence 30, Appl	Sequence 30, App. Sequence 166, App	Sequence 3902, Ap	Sequence 3, Appli Sequence 10, Appl	Sequence 10, Appl	Sequence 10, Appl	Sequence 9270, Ap	Sequence 19, Appl	Sequence 19, Appl	Sequence 1, Appli	Sequence 137, App	Sequence 137, App	Sequence 137, App	Sequence 137, App	Sequence 137, App	Sequence 137, App	Sequence 137, App	Sequence 10, Appl	Sequence 10, Appl	Sequence 5, Appli Sequence 2, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 6, Applia	Sequence 7, Appli	Sequence 1, Appli	Sequence 1, Appli Sequence 6, Appli	Sequence 6, Appli	Sequence Z, Appli Sequence 7, Appli	Sequence 11, Appl	Sequence 7, Appli	Sequence 85, Appl	Sequence 6, Appli	Sequence 1, Appli	Sequence 10297, A	Sequence 17, Appl	Sequence 2, Appli	Sequence 1, Appli	Sequence 4, Appli	20.	20	Z C	7 9	9	ທີ່ເ	, a	າຕັ	26	1 26
US-07-857-224B-104 US-08-981-392-5 US-09-908-322-5	US-07-857-224B-103 sequence US-08-872-855-5 Sequence	US-08-872-855-7 Sequence US-07-857-224B-112 Sequence	US-08-614-935-30 Sequence	US-09-130-287-30 sequence US-09-489-847-166 sequence	US-09-621-976-3902 Sequence	US-09-638-203-3 Sequence	US-08-611-729A-10 Sequence	US-09-195-524-10 Sequence	US-09-949-016-9270 Sequence	US-08-183-19 US-08-083-590A-19 Sequence	US-08-532-384-19 Sequence	US-08-899-232-1 Sequence	US-09-121-45/-1	US-09-905-125A-137 Sequence	US-09-902-775A-137 Sequence	US-09-906-700-137 Sequence	US-09-903-803A-137 Sequence	US-09-909-064-137 Sequence	US-09-905-381A-137 Sequence	US-09-908-818-13/ US-08-722-126A-10 Sequence	PCT-US95-04258-10 Sequence	US-09-541-759-5 sequence	US-08-882-046-7 Sequence	US-09-566-047-7 Sequence	US-09-068-740A-6 Sequence	US-09-5/9-536C-18 Sequence	US-09-199-865-1 Sequence	US-10-213-329-1 Sequence	US-08-611-729A-6 Sequence	US-08-882-046-2 sequence seque	US-09-068-740A-11 Sequence	US-09-855-722-7 Sequence	US-U9-566-04/-2 US-09-917-254-85 Sequence	US-09-195-524-6 Sequenc	US-09-579-536C-1 Sequenc	US-09-949-016-5902 IIS-09-949-016-10297 Sequenc	US-08-185-432-17 Sequenc	US-08-899-232-2 Sequenc	US-09-467-997-1 Sequenc	US-08-537-210A-4 Sequence 4,	US-09-113-825-4 Sequence 7, US-08-083-590A-20 Sequence 20,	US-08-532-384-20 Sequence 20	US-07-930-686-12 Sequence 12	US-08-460-998-12 Sequence 12	US-09-566-047-6 Sequence 6,	US-09-182-024A-5 Sequence 5,	US-08-419-414-8 Sequence 8,	US-08-614-935-3 Sequence 3, IIS-09-130-287-3	US-08-469-486-56 Sequence 56	US-08-469-658-56 Seguence 56
2 US-07-857-224B-104 Sequence 3 US-08-981-392-5 Sequence 4 US-09-908-322-5 Sequence	2 US-07-857-2248-103 Sequence 3 US-08-872-855-5 Sequence	3 US-08-872-855-7 Sequence 2 US-07-857-224B-112 Sequence	1 US-08-614-935-30 Sequence	3 US-09-130-287-30 sequence 4 US-09-489-847-166 sequence	4 US-09-621-976-3902 Sequence	4 US-09-638-203-3 sequence	3 US-08-611-729A-10 Sequence	4 US-09-195-524-10 Sequence	4 US-09-949-016-9270 Sequence	1 US-08-183-590A-19 Sequence	3 US-08-532-384-19 Sequence	4 US-08-899-232-1 Sequence	4 US-09-121-45/-1 4 112-09-907-794A-137 Sequence	4 US-09-905-125A-137 Sequence	4 US-09-902-775A-137 Sequence	4 US-09-906-700-137 Sequence	4 US-09-903-803A-137 Sequence	4 US-09-909-064-137 Sequence	4 US-09-905-381A-137 Sequence	4 US-09-908-818-13/ Coducino	5 PCT-US95-04258-10 Sequence	4 US-09-541-759-5 Sequence	3 US-08-882-046-7 Sequence	4 US-09-566-047-7 Sequence	3 US-09-068-740A-6 Sequence	4 US-09-5/9-536C-18 Sequence	4 US-09-199-865-1 Sequence	4 US-10-213-329-1 Sequence	3 US-08-611-729A-6 Sequence	3 US-08-882-046-2 Sequence 3 Trs-08-214-278-7 Sequence	3 US-09-068-740A-11 Sequence	4 US-09-855-722-7 Sequence	4 US-09-566-04/-2 4 US-09-917-254-85 Sequence	4 US-09-195-524-6 Sequenc	4 US-09-579-536C-1 Sequenc	4 US-09-949-016-3902 Sequenc	1 US-08-185-432-17 Sequenc	4 US-08-899-232-2 Sequenc	3 US-09-467-997-1 Sequenc	1 US-08-537-210A-4 Sequence 4,	3 US-09-113-825-4 Sequence 7, 1 US-08-083-590A-20 Sequence 20,	3 US-08-532-384-20 Sequence 20	1 US-07-930-686-12 Sequence 12	2 US-08-460-998-12 Sequence 12	4 US-09-566-047-6 Sequence 6,	3 US-09-182-024A-5 Sequence 5,	1 US-08-419-414-8 Sequence 8,	1 US-08-614-935-3 Sequence 3, 3 IIS-09-130-287-3	1 US-08-469-486-56 Sequence 56	2 US-08-469-658-56 Sequence 56
US-07-857-224B-104 Sequence US-08-981-392-5 Sequence US-09-908-322-5 Sequence	135 2 US-07-857-224B-103 Sequence 713 3 US-08-872-855-5	721 3 US-08-872-855-7 Sequence 138 2 US-07-857-224B-112 Sequence	166 1 US-08-614-935-30 Sequence	) 166 3 US-09-130-287-30 Sequence 374 4 US-09-489-847-166 Sequence	134 4 US-09-621-976-3902 Sequence	) 260 4 US-09-638-203-3 Sequence	1193 3 US-08-611-729A-10 Sequence	) 1193 4 US-09-195-524-10 Sequence	) 2254 4 US-09-949-016-9270 Sequence	24/1 1 US-08-183-19 Sequence	3 2471 3 US-08-532-384-19 Sequence	3 2471 4 US-08-899-232-1 Sequence	3 2471 4 US-09-121-45/-1 3 303 4 112-09-907-794A-137 Sequence	382 4 US-09-905-125A-137 Sequence	9 382 4 US-09-902-775A-137 Sequence	9 382 4 US-09-906-700-137 Sequence	382 4 US-03-903-803A-137 Sequence	9 382 4 US-09-909-064-137 Sequence	9 382 4 US-09-905-381A-137 Sequence	9 382 4 US-09-908-618-13/ Sequence	9 129 5 PCT-US95-04258-10 Sequence	9 192 4 US-09-541-759-5 Sequence	B 1010 3 US-08-842-046-7 Sequence	8 1010 4 US-09-566-047-7 Sequence	8 1036 3 US-09-068-740A-6 Sequence	8 1067 4 US-09-5/9-536C-18 Sequence	8 1208 4 US-09-199-865-1 Sequence	8 1208 4 US-10-213-329-1 Sequence	8 1218 3 US-08-611-729A-6 Sequence	8 1218 3 US-08-882-046-2 Sequence	8 1218 3 US-09-068-740A-11 Sequence	8 1218 4 US-09-855-722-7 Sequence	8 1218 4 US-U9-556-U4/-2 8 1218 4 US-09-917-254-85 Sequenc	8 1218 4 US-09-195-524-6 Sequenc	8 1218 4 US-09-579-536C-1 Sequenc	8 1218 4 US-09-949-016-5902 8 1054 4 HS-09-949-016-10297 Sequenc	8 2556 1 US-08-185-432-17 Sequence	8 2556 4 US-08-899-232-2 Sequenc	7 1964 3 US-09-467-997-1 Sequence	7 1139 1 US-08-537-210A-4 Sequence 4,	7 1139 3 US-09-113-825-4 Sequence 7. 7 2556 1 US-08-083-590A-20 Sequence 20,	7 2556 3 US-08-532-384-20 Sequence 20	7 440 1 US-07-930-686-12 Sequence 12	7 440 2 US-08-460-998-12 Sequence 12	7 1248 4 US-09-566-047-6 Sequence 6,	6 1480 3 US-09-182-024A-5 Sequence 5,	.6 203 1 US-08-419-414-8 Sequence 8,	6 203 1 US-08-614-935-3 sequence 3, 6 201 3 IIS-09-130-287-3	6 202 1 US-08-469-486-56 Sequence 56	.6 202 2 US-08-469-658-56 Sequence 56
141 2 US-07-857-224B-104 Sequence 721 3 US-08-981-392-5 Sequence 721 4 US-09-908-322-5 Sequence	6.1 135 2 US-07-857-224B-103 Sequence 6.1 713 3 US-08-872-855-5 Sequence	6.1 721 3 US-08-872-855-7 Sequence	6.0 166 1 US-08-614-935-30 Sequence	6.0 166 3 US-09-130-287-30 Sequence 6.0 374 4 US-09-489-847-166 Sequence	6.0 134 4 US-09-621-976-3902 Sequence	6.0 260 4 US-09-638-203-3 Sequence	6.0 1193 3 US-08-611-729A-10 Sequence	6.0 1193 4 US-09-195-524-10 Sequence	6.0 2254 4 US-09-949-016-9270 Sequence	5.9 24/1 1 US-08-183-192-19 Sequence	5.9 2471 3 US-08-532-384-19 Sequence	5.9 2471 4 US-08-899-232-1 Sequence	5.9 2471 4 US-09-121-45/-1 - 0 202 4 112-09-907-794A-137 Sequence	5.9 382 4 US-09-905-125A-137 Sequence	5.9 382 4 US-09-902-775A-137 Sequence	5.9 382 4 US-09-906-700-137 Sequence	5.9 382 4 US-09-903-8036 137 Sequence	5.9 382 4 US-09-909-064-137 Sequence	5.9 382 4 US-09-905-381A-137 Sequence	5.9 382 4 05-09-908-818-13/ 3043-338 5.9 109 3 HS-08-722-126A-10 Sequence	5.9 129 5 PCT-US95-04258-10 Sequence	5.9 192 4 US-09-541-759-5 Sequence	5.8 14/9 3 US-08-882-046-7 Sequence	5.8 1010 4 US-09-566-047-7 Sequence	5.8 1036 3 US-09-068-740A-6 Sequence	5.8 1067 4 US-09-5/9-536C-18 sequence	5.8 1208 4 US-09-199-865-1 Sequence	5.8 1208 4 US-10-213-329-1 Sequence	5.8 1218 3 US-08-611-729A-6 Sequence	5.8 1218 3 US-08-882-046-2 Sequence	5.8 1218 3 US-09-068-740A-11 Sequence	5.8 1218 4 US-09-855-722-7 Sequence	5.8 1218 4 US-09-566-04/-2	5.8 1218 4 US-09-195-524-6 Sequenc	5.8 1218 4 US-09-579-536C-1 Sequenc	5.8 1218 4 US-09-949-016-3902 5.8 1054 4 US-09-949-016-10297 Sequenc	5.8 2556 1 US-08-185-432-17 Sequenc	5.8 2556 4 US-08-899-232-2 Sequenc	5.7 1964 3 US-09-467-997-1 Sequenc	5.7 1139 1 US-08-537-210A-4 Sequence 4,	5.7 1139 3 US-09-113-825-4 Sequence 20,	5.7 2556 3 US-08-532-384-20 Sequence 20	5.7 440 1 US-07-930-686-12 Sequence 12	5.7 440 2 US-08-460-998-12 Sequence 14,	5.7 1248 4 US-09-566-047-6 Sequence 6,	5.6 1480 3 US-09-182-024A-5 Sequence 5,	5.6 203 1 US-08-419-414-8 Sequence 8,	5.6 203 1 US-08-614-935-3 Sequence 3, 5 203 3 1IS-09-130-287-3	5.6 202 1 US-08-469-486-56 Sequence 56	5.6 202 2 US-08-469-658-56 Sequence 56

Sequence 17, Appl Sequence 130, App Sequence 131, App Sequence 15, Appl																																										628	, 0	.2	~ .	Sequence 2, Appli	-
US-09-893-238-17 US-09-245-041-130 US-09-358-055B-131 US-09-245-041-15				PCT-US96-07709-2																																											
1350 4 1429 3 1429 4 2787 3	789	500	20	17.	2 2	522	. 6	88	7 40	904	91	161	616	10	13	616	13	13	2 6	63	388	8	0.4	4 4	77	77	7.	11	77	77	77	77	77	77		42	89	9 G	28	58	4 4	99	4.0	8 8	78		78
0.00.0	00	0.0	0.0		. o.	0.0	. 0	۰.	. o	۰.	0.0	. 0.	0.0	. 0	0.	۰. د	? 0.	۰.	. 0	0.	ص ص	. 0.				ن م:									0.0	0.	6.4	y 4.	6.4	0.0	. 6.	0.4	4. 4. y o.	0.	0.0	a. a . o	Δ.
27.5 27.5 27.5	20	1	127	127	127 26.5	26.5	26.5	26.5	26.5	26.5	26.5	126	126	126	126	126	126	126	126		N 0	101	90	10	124	124	124	124	124	124	124	124	124	124	9 0	10	20	7	~	~	123	123	123	123	123	123	123
320 1 321 1 322 1 323 1	24 1	26	8 6	0.00	31 32	33 1	35 1	36 1	38 1	39	40 1	1 2 1	43	1 4 1	146	47	49	00.	52	53	554	26	57 1	20 00	160	62	63	65	99	68	69	7.1	72	74	75 1	77 1	78 1	80 T	81 1	82 1	84	85	9 6	88	680	0.60	76
Sequence 13, Appl Sequence 13, Appl Sequence 8, Appli Sequence 96, Appl	Sequence 2, Appli	Sequence 2, Appli Sequence 2, Appli	Sequence 11031, A	Sequence 396, App	Sequence 6, Appli Sequence 4, Appli	Sequence 2, Appli	Sequence 25, Appi Sequence 3, Appli	Sequence 3, Appli	Sequence 2, Appli Sequence 2, Appli	Sequence 2, Appli	Sequence 6, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 4, Appli	Sequence 114, App	Sequence 110, App	Sequence 12, Appl	Sequence 4, Appli	Sequence 4, Appli	Sequence 4, Appli Sequence 4, Appli	Sequence 4, Appli	Sequence 4, Appli Sequence 4. Appli	Sequence 4, Appli	Sequence 1, Appli	Sequence 1, Appli Sequence 10, Appl	Sequence 4, Appli	Patent No. 5514582	Patent No. 5514582	Sequence 192, App Sequence 332, App	Sequence 192, App	sequence 332, App Sequence 97, Appl	Patent No. 5514582	Sequence 4, Appli	Sequence 24, Appl	Sequence 28, Appl	Sequence 22, Appl	Sequence 900, App	Sequence 26, Appl	Sequence 5, Appli Sequence 5, Appli	Sequence 2, Appli	Sequence 32, Appl	Sequence 30, Appl	Sequence 26, Appl	Sequence 39, Appl	133	, i	9 9	ince 17,
3 US-08-981-392-13 4 US-09-908-322-13 4 US-09-535-521-8 2 US-08-469-537A-96	US-0	US-0	US-0	o-sn	ns-o	O-SO	0-80	O-SD	0-SD	us-0	0-50	us-o	0-SU	us-o	us-o	0-SD	ns-0	ns-0	n-sn ns-o	us-o	ns-o	us-o	US-0	us-o	US-0	5514	5514	n-sn	O-SO	n-sn ns-o	5514	us-o	US-0	US-0	US-0	us-o	US-0	0-80	US-09-911-842A-2	0-SU	US-09-562-702A-3	US-09-561-818A-2	US-U9-602-877A-9	US-09-245-041-131	US-09-794-236-3		ns-o
578 578 128 1101																																															
2000 2222	7.7		ų,	! ?? !	, r.	4.0	, v.	7.0	7 79	7.0	7 7	. 7.	-: -	! =:	٦.	٦.	! -:	۲.	: -:	٦.		٠ ا	۲.	: <del>-</del> :	٠. -	: -:	٦,	1.	۲.	:-:	۲	: <del>-</del> :	-: -	! ~!	۲.	: -:	۲.	-! -:	יד!	۲	: <del>-</del> :	٦.	- 0	. 0.	۰.		٥.
132.5 132.5 132 131.5	131.5		131	131	131	•	າຕ	m,	130.5	സ	ກຕ	m	130	N	(1)	<b>73</b> C	10	~ (	NΝ	N (	$\sim$	129.5	S C	10	o c	4	129	129	129	129	128.5	10	<b>C4</b> C	10	CA C	10	<b>CO</b> (	1 C	(7)	128	128	•	A ()	101	o c	127.5	N

Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 3, Appli Sequence 4, Appli Sequence 3, Appli Sequence 1, Appli Sequence 1, Appli Sequence 2, Appli	Sequence 1, Applia Sequence 2, Applia Sequence 1, Applia Sequence 18, Applia Sequence 18, Applia Sequence 1, Applia Sequence 1, Applia Sequence 18, Applia	Sequence 19, Appl. Sequence 16, Appl. Sequence 3, Appl. Sequence 4, Appl. Sequence 2, Appl. Sequence 1, Appl. Sequence 1, Appl.	Sequence 1, Appli Sequence 2, Appli Sequence 2, Appli Patent No. 5466668 Patent No. 546668 Sequence 43, Appl Sequence 43, Appl	Patent No. 5514582 Patent No. 5514582 Sequence 34, Appl Sequence 34, Appli	Sequence 7, Appli Sequence 17, Appl Sequence 65, Appl Sequence 183, Appl Sequence 183, Appl Sequence 183, Appl Sequence 37, Appl Sequence 37, Appl Sequence 37, Appl	Sequence 37, Appl Sequence 37, Appl Sequence 1, Appli Sequence 2, Appli Sequence 2, Appli Sequence 68, Appli Sequence 68, Appl Sequence 68, Appl Sequence 68, Appl	ednence ednence ednence ednence ednence
US-08-312-870-5 US-08-37-444A-5 US-08-307-444A-3 US-08-307-444A-3 US-08-307-444A-3 US-08-587-389-3 US-08-587-389-4 US-08-587-389-4 US-08-307-444A-1 US-08-307-444A-1	US-08-587-389-1 US-08-587-389-2 US-08-014-723-1 US-08-014-723-2 US-08-014-723-18 US-08-110-011A-1 US-08-110-011A-2 US-08-110-011A-18 US-08-014-723-14	US-08-104-123-16 US-08-110-011A-14 US-08-110-011A-16 US-08-312-870-3 US-08-331-793-4 US-09-509-994-1 US-09-509-994-1	US-08-312-870-1 US-09-880-484D-2 1 US-10-438-648-2 5466668-6 5 US-08-981-32-43 US-09-908-322-43 US-09-765A-15097	5 5514582-12 5 5514582-12 6 18-882-12 18-08-820-170A-34 18-09-273-565-34 3 18-09-273-565-34 3 18-09-565-538-34 4 18-09-565-538-34 5 18-09-976-165-34 6 18-09-976-165-34 1 18-09-976-165-34 1 18-09-976-163-3	2 US-08-709-662-7 3 US-08-911-392-65 4 US-09-312-283-177 4 US-09-312-283-183-183-183-183-1893-188-930-183-183-183-183-183-183-183-183-183-183	3 US-09-565-538-37 4 US-09-661-468-37 2 US-09-76-165-37 2 US-08-729-103-1 2 US-09-468-413-2 3 US-09-162-508-2 5 PCT-US95-07169-2 3 US-09-981-392-68 4 US-09-600-932-29 4 US-09-205-258-441	1 US-08-445-135-1 4 US-09-561-709B-11 4 US-09-949-016-6612 4 US-09-949-016-8481 4 US-09-949-016-9058 4 US-09-949-016-9058
						816 816 816 158 158 158 158 157 157	
<u>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 </u>	4 4 4 4 4 4 4 4 4 ស ល ល ល ល ល ល ល ល ល	ងងងងងងងង ហំលំលំលំលំលំលំលំលំ		) ਚ ਚ ਚ ਚ ਚ ਚ ਚ ਚ ਚ • • • • • • • • • • •	. ಈ ಈ ಈ ಈ ಈ ಈ ಈ ಈ ಈ 	4 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6	4 4 4 4 4 4 4 4 ሳ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡ ፡፡
113.5 113.5 113.5 113.5 113.5 113.5 113.5	113.5 113.5 113.5 113.5 113.5 113.5	113.5 113.5 113.5 113.5 15.5 15.5 15.5 1	113.5 1113.5 1113.5 1113.5 1113.5	112.5 112.5 112.5 112.5 112.5 112.5 112.5	1112 1122 1122 1112 1113 1111 1111	111 111 110 110 110.5 110.5 110.5 110	110 110 109.5 109.5 109.5
				5000 5001 5002 5005 5006 5000 1000	511 511 511 511 511 516 518 519	522 522 522 522 523 523 523 523 523 523	523 533 533 534 534 534
							•
Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 10403, A Sequence 15096, A Sequence 15, Appli Sequence 5, Appli	Sequence 1, Appliance 1, Appliance 2, Appliance 31, Appliance 31, Appliance 31, Appliance 32, Appliance 4, Appliance 4, Appliance 4, Appliance 32, Appliance	Sequence 9, Appli Sequence 9, Appli Sequence 1076, Ap Sequence 1076, Ap Sequence 4, Appli Sequence 10686, A Sequence 11686, A Sequence 14, Appl	Sequence 14, Appl Sequence 2, Appli Sequence 109, Appl Patent No. 5514582 Patent No. 5514582 Sequence 35, Appl Sequence 35, Appli	Sequence 6294, Ap. Sequence 2, Appli Sequence 2, Appli Sequence 7, Appli Sequence 7, Appli Sequence 12, Appli Sequence 12, Appli Sequence 12, Appli Sequence 14, Appli Sequence 10, Appli Sequence 10, Appli	Sequence 6, Applia Sequence 7, Applia Sequence 86, Appl Sequence 837, Ap Sequence 4, Applia Sequence 2, Applia Sequence 15, Applia Sequence 15, Applia	Sequence 1, Appliance 1, Appliance 10, Appliance 10, Appliance 10, Appliance 10, Appliance 10272, Appliance 10272, Appliance 10448, Appliance	Sequence 4, Appli Sequence 4, Appli Sequence 4, Appli Sequence 9775, Ap Sequence 2, Appli Sequence 10, Appli Sequence 3, Appli
US-08-438-864-2 Sequence US-08-438-862-2 Sequence US-08-628-747-2 Sequence US-08-443-868-2 Sequence US-09-949-016-10403 Sequence US-09-142-10403 Sequence US-09-142-151-512-5 Sequence	US-08-571-210A-1 US-08-571-210A-1 US-09-113-025-1 US-09-1194-612A-31 US-09-111-470-10 US-09-688-342-4 US-09-688-342-4 US-09-9113-788-4 US-09-1013-788-4 Sequence US-09-113-788-4 Sequence	US-09-191-647-9 Sequence US-09-540-153-9 Sequence US-09-540-153-9 Sequence US-09-538-092-1076 Sequence US-09-949-013-4 Sequence US-09-191-647-14 Sequence US-09-191-647-14 Sequence	US-09-540-153-14 Sequence US-09-517-605-2 Sequence US-07-857-224B-109 Patent No 5514582-10 Patent No 5514582-10 Patent No US-08-981-392-35 Sequence US-09-065-040-4 Sequence	US-09-949-016-6294 Sequence US-09-245-041-2 Sequence US-09-358-0558-2 Sequence US-09-949-016-7517 Sequence US-09-961-403-7 Sequence US-09-562-702A-12 Sequence US-09-562-702A-14 Sequence US-09-562-702A-4 Sequence	US-09-562-702A-2 Sequence US-09-561-702A-6 Sequence US-09-561-709B-7 Sequence US-09-91-254-86 Sequence US-09-949-016-5937 Sequence US-08-125-077-4 Sequence US-08-75-77-4 Sequence US-08-75-583-15 Sequence US-08-75-583-15 Sequence US-09-257-583-15 Sequence US-09-257-583-15 Sequence	US-07-949-01-110-3 Sequence US-07-641-971B-1 Sequence US-07-641-971B-1 Sequence US-08-365-103B-10 Sequence US-08-949-016-10272 Sequence US-09-194-612A-1 Sequence US-09-949-016-6806 Sequence US-09-949-016-6805 Sequence US-09-949-016-8315 Sequence US-09-949-016-8315 Sequence US-09-949-016-8315	US-07-668-648-4 Sequence US-08-429-998-4 Sequence US-08-411-333-4 Sequence US-09-949-016-9775 Sequence US-08-054-077C-2 Sequence US-09-845-583A-10 Sequence US-09-561-7098-3 Sequence
2 US-08-438-864-2 Sequence 3 US-08-438-862-2 Sequence 3 US-08-628-747-2 Sequence 3 US-08-442-253-2 Sequence 4 US-08-443-8668-2 Sequence 4 US-09-949-016-10403 Sequence 4 US-09-142-057A-12 Sequence 5 US-09-142-1512-5 Sequence	4 US-09-041-012-05 3 US-08-537-210A-1 3 US-09-113-825-1 5 US-09-194-612A-31 5 US-09-194-612A-31 5 US-09-111-470-10 5 US-09-688-342-4 5 US-09-688-342-4 5 US-09-113-788-4	3 US-09-191-647-9 3 US-09-540-12458-9 Sequence 3 US-09-540-153-9 Sequence 4 US-09-580-092-1076 Sequence 2 US-08-729-103-4 Sequence 4 US-09-949-016-10686 Sequence 3 US-09-191-647-14 Sequence 3 US-09-540-2458-14 Sequence	3 US-09-540-153-14 Sequence 3 US-09-540-153-14 Sequence 6 US-07-857-224B-109 Patent No 6 5514582-10 Patent No 6 5514582-10 Patent No 6 5514582-10 Patent No 4 US-09-908-322-35 Sequence 4 US-09-065-040-4 Sequence	4 US-09-949-016-6294 Sequence 3 US-09-245-041-2 Sequence 4 US-09-245-041-2 Sequence 4 US-09-949-016-7517 Sequence 4 US-09-961-403-7 Sequence 4 US-09-562-702A-12 Sequence 4 US-09-562-702A-14 Sequence 4 US-09-562-702A-10	4 US-09-562-702A-2 Sequence 4 US-09-562-702A-6 Sequence 4 US-09-561-709B-7 Sequence 4 US-09-91-254-86 Sequence 2 US-08-460-309-4 Sequence 2 US-08-125-077-4 Sequence 4 US-09-57-583-15 Sequence 4 US-09-57-583-15 Sequence 5 US-08-751-305-2 Sequence 6 US-08-751-305-2 Sequence 7 US-08-751-305-2 Sequence 7 US-08-751-305-2 Sequence 7 US-08-751-305-2 Sequence	4 US-079-949-016-11023 Sequence 1 US-07-641-971B-1 Sequence 1 US-08-365-103B-10 Sequence 1 US-08-365-103B-8 Sequence 2 US-08-365-103B-8 Sequence 4 US-09-949-016-10272 Sequence 4 US-09-194-612A-1 Sequence 4 US-09-949-016-6806 Sequence 4 US-09-949-016-6806 Sequence 4 US-09-949-016-8315 Sequence	1 US-07-668-648-4 Sequence 2 US-08-429-998-4 Sequence 2 US-08-431-333-4 Sequence 5 PCT-US91-02321-4 Sequence 4 US-09-949-016-9775 Sequence 1 US-09-945-077C-2 Sequence 4 US-09-861-7098-3 Sequence
678 2 US-08-438-864-2 Sequence 678 3 US-08-438-862-2 Sequence 678 3 US-08-628-747-2 Sequence 678 3 US-08-462-253-2 Sequence 678 3 US-08-443-8668-2 Sequence 678 4 US-09-949-016-10403 Sequence 329 4 US-09-142-0578-12 Sequence 555 4 US-09-142-0278-12 Sequence 555 4 US-09-142-0278-12 Sequence 555 4 US-09-142-0278-12 Sequence 555 555 555 555 555 555 555 555 555 5	283 4 US-08-537-210A.1 Sequence 1015 1 US-08-537-210A.1 Sequence 11449 3 US-08-113-825-1 Sequence 1723 4 US-09-194-612A-31 Sequence 273 3 US-09-111-470-10 Sequence 292 2 US-08-688-342-4 Sequence 292 2 US-09-113-788-4 Sequence 292 2 US-08-688-342-4 Sequence 293 2 US-09-113-788-4 Sequence 293 2 US-08-688-342-4 Sequence 293 2 US-08-68-688-342-4 Sequence 293 2 US-08-688-342-4 Sequence 293 2 US-08-688-342	8 735 3 US-09-191-647-9 Sequence 8 735 3 US-09-540-245A-9 Sequence 8 735 3 US-09-540-153-9 Sequence 8 171 4 US-09-540-1076 Sequence 8 166 2 US-08-729-103-4 Sequence 174 4 US-09-949-016-10686 Sequence 8 243 3 US-09-191-647-14 Sequence	8 243 3 US-09-540-153-14 Sequence 8 404 3 US-09-517-605-2 Sequence 18 114 6 5514582-10 Patent No 7 114 6 5514582-10 Patent No 7 114 6 5514582-10 Patent No 7 114 6 5514582-10 Sequence 7 114 6 5514582-10 Sequence 7 115 4 US-09-908-322-35 Sequence 7 323 4 US-09-065-040-4	7 323 4 US-09-949-016-6294 Sequence 7 1260 3 US-09-245-041-2 Sequence 7 1260 4 US-09-893-238-2 Sequence 7 2123 4 US-09-949-016-7517 Sequence 7 2123 4 US-09-961-403-7 Sequence 7 3070 4 US-09-961-403-7 Sequence 7 3084 4 US-09-562-702A-1 Sequence 7 3089 4 US-09-562-702A-4 Sequence 7 3089 4 US-09-562-702A-4 Sequence 7 3089 4 US-09-562-702A-4 Sequence 7 3089 4 US-09-562-702A-10 Sequence	7 3110 4 US-09-562-702A-2 Sequence 7 3110 4 US-09-562-702A-6 Sequence 7 3110 4 US-09-561-709B-7 Sequence 7 3110 4 US-09-917-254-86 Sequence 7 3111 2 US-08-460-105-5937 Sequence 7 3111 2 US-08-460-105-4 Sequence 6 652 2 US-08-125-077-4 Sequence 6 652 1 US-08-125-077-4 Sequence 6 652 1 US-08-125-136-2 Sequence 6 524 4 US-09-257-583-15 Sequence 6 994 4 US-09-257-583-15 Sequence	US-07-949-01-110-3 Sequence US-07-641-971B-1 Sequence US-07-641-971B-1 Sequence US-08-365-103B-10 Sequence US-08-949-016-10272 Sequence US-09-194-612A-1 Sequence US-09-949-016-6806 Sequence US-09-949-016-6805 Sequence US-09-949-016-8315 Sequence US-09-949-016-8315 Sequence US-09-949-016-8315	.5 593 1 US-07-668-648-4 Sequence.5 593 2 US-08-429-998-4 Sequence.5 593 2 US-08-431-333-4 Sequence.5 593 5 US-08-431-333-4 Sequence.5 593 5 PCT-US91-02321-4 Sequence.5 613 4 US-09-949-016-9775 Sequence.5 799 1 US-08-08-077C-2 Sequence.5 1587 4 US-09-861-7098-3 Sequence.5 1587 4 US-09-561-7098-3 Sequence.
123 4.9 678 2 US-08-438-864-2 Sequence 123 4.9 678 3 US-08-438-862-2 Sequence 123 4.9 678 3 US-08-628-747-2 Sequence 123 4.9 678 3 US-08-4628-747-2 Sequence 123 4.9 678 3 US-08-443-8668-2 Sequence 123 4.9 1935 4 US-08-949-016-10403 Sequence 22.5 4.8 329 4 US-09-142-016-10403 Sequence 22.5 4.8 383 4 US-09-142-016-10403 Sequence 23.5 4.8 383 4 US-09-142-017A-12 Sequence	4.8 1015 1 US-08-537-2104-1 Sequence 4.8 1015 3 US-09-131-825-1 Sequence 4.8 1449 3 US-09-131-825-1 Sequence 4.8 1723 4 US-09-131-470-10 Sequence 4.8 273 3 US-09-114-470-10 Sequence 4.8 292 2 US-09-111-470-10 Sequence 4.8 292 2 US-09-131-470-10 Sequence 4.8 292 2 US-09-131-470-10 Sequence 4.8 292 2 US-09-131-488-4 Sequence 5.00 2 US-09-131-488-4 Se	21.5 4.8 735 3 US-09-191-647-9 21.5 4.8 735 3 US-09-191-647-9 21.5 4.8 735 3 US-09-540-1245A-9 21.5 4.8 735 3 US-09-540-1245A-9 21.5 4.8 735 3 US-09-540-153-9 21.1 4.8 166 2 US-09-538-092-1076 21.1 4.8 243 3 US-09-191-647-14 21.1 4.8 243 3 US-09-191-647-14 21.1 4.8 243 3 US-09-191-647-14 21.1 4.8 243 3 US-09-545A-14 21.1 4.8 243 3 US-09-545A-14 21.2 4.8 243 3 US-09-545A-14 21.3 4.8 243 3 US-09-545A-14 21.4 24.8 243 3 US-09-545A-14	4.8 243 3 US-09-540-153-14 Sequence 4.8 404 3 US-09-517-605-2 Sequence 4.8 112 US-07-887-224B-109 Sequence 4.7 114 6 5514582-10 Patent No 4.7 196 3 US-08-981-392-35 Sequence 4.7 196 4 US-09-908-322-35 Sequence 4.7 323 4 US-09-065-040-4	4.7 323 4 US-09-949-016-6294 Sequence 4.7 1260 4 US-09-245-041-2 Sequence 4.7 1260 4 US-09-358-0558-2 Sequence 4.7 1260 4 US-09-999-238-2 Sequence 4.7 2123 4 US-09-991-238-2 Sequence 4.7 3100 4 US-09-961-403-7 Sequence 4.7 3108 4 US-09-562-702A-8 Sequence 4.7 3108 4 US-09-562-702A-8 Sequence 4.7 3108 4 US-09-562-702A-4 Sequence 4.7 3108 4 US-09-562-702A-4 Sequence 4.7 3108 4 US-09-562-702A-4 Sequence 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.0	4.7 3110 4 US-09-562-702A-6 Sequence 4.7 3110 4 US-09-561-702A-6 Sequence 4.7 3110 4 US-09-561-702A-6 Sequence 4.7 3110 4 US-09-561-703A-6 Sequence 4.7 3110 4 US-09-949-016-5937 Sequence 4.7 3111 2 US-08-460-309-4 Sequence 4.6 532 2 US-08-751-305-2 Sequence 4.6 514 4 US-09-257-583-15 Sequence 5.00 510 510 510 510 510 510 510 510 510 5	5 4.6 1854 4 US-09-49-10-110-15 Sequence 6 4.6 174 1 US-07-641-9718-1 Sequence 6 4.6 174 1 US-07-641-9718-1 Sequence 6 4.6 174 1 US-07-651-1038-10 Sequence 6 4.6 131 2 US-08-365-1038-8 Sequence 5 4.6 647 4 US-09-949-016-10272 Sequence 5 4.5 1722 4 US-09-949-016-10272 Sequence 5 4.5 1339 4 US-09-949-016-10448 Sequence 5 4.5 1478 4 US-09-949-016-8315 Sequence 5 4.5 1478 4 US-09-949-016-8315	4.5 593 1 US-07-668-648-4 Sequence 4.5 593 2 US-08-4291-98-4 Sequence 4.5 593 2 US-08-431-333-4 Sequence 4.5 593 5 PCT-US91-02321-4 Sequence 4.5 613 4 US-09-949-016-9775 Sequence 4.5 1587 4 US-09-948-077C-2 Sequence 4.5 1587 4 US-09-561-7098-3 Sequence 5.5 1587 4 US-09-561-7098-3 Sequence 5.5 1587 4 US-09-561-7098-3 Sequence 5.5 1587 4 US-09-561-7098-3

Sequence 335, App Patent No. 5270178	atent N Sequenc	Sequence 44, Appl	Sequence 10, Appl Sequence 4, Appli	Sequence 15, Appl	Sequence 15, Appl	Sequence 28, Appl	Seguence 32, Appr Seguence 13. Appl	Sequence 13, Appl	Sequence 26, Appl	Sequence 30, Appl	Sequence 9, Appl.	Sequence 15094,	Sequence 159, Ap	Sequence 8536, A	Sequence 27, Appl	Sequence 27, App]	Sequence 27, Appl	Sequence 27, Appr	Sequence 27, Appl	Sequence 10746, A	Sequence 3, Appli	Sequence 2, Appli	Sequence 2, Appli	Seguence 11, Appl	Sequence 11, Appl	Sequence 2, Appli	Sequence z, Appli Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 1, Appli	Sequence 4, Appli	Sequence 5, Appli	Sequence 6, Appli Sequence 1, Appli	Sequence 2, Appli	Sequence 4, Appli	atent No. 5	atent No. 527017	atent No. 527		0	יט ניי	atent No.	atent No.	atent No.		atent No.	atent No.	atent No.	Patent No. 5270178 Patent No. 5460953	1ce 3	C C	edneuce 3
US-09-312-283C-335 5270178-16	5270178-16 US-08-162-402B-9	US-08-714-741-44	US-U9-560-385A-10 US-08-454-55-4	US-08-134-133-1 US-08-317-450B-15	US-08-800-593-15	US-09-560-385A-28	US-09-560-385A-32 US-08-317-450B-13	US-08-800-593-13	US-09-560-385A-26	US-09-560-385A-30	US-US-722-126A-9 PCT-US95-04258-9	US-09-248-796A-15094	- 1	US-09-949-016-8536	US-07-728-273-243 US-07-728-215-27	US-08-938-085A-27	US-10-072-844-27	US-10-072-638-27		US-09-949-016-10746	US-08-144-121-3 US-08-745-893-3	US-08-144-121-2	US-08-735-893-2	US-09-245-041-11 US-09-358-0558-11	US-09-893-238-11	US-09-065-872-2	US-U9-66/-5/UA-Z US-09-065-872-1	US-09-667-570A-1	US-08-295-411-1 US-08-955-471-1	US-09-667-570A-3	US-10-182-263-1 HS-10-182-263-3	US-10-182-263-3	US-10-182-263-5	US-10-182-263-6 PCT-US92-10242-1	US-08-756-506-2	US-08-756-506-4	5270178-14	5270178-15	5270178-13	5270178-14 5270178-15	US-10-182-263-2	US-09-054-272-32	5225537-2	5270178-2	5270178-17	5270178-18 5460953-3	5225537-2	5270178-2	5270178-17	5270178-18 5460953-3	US-07-728-215-30	US-08-938-085A-30	US-10-072-838-30
194 4						-	•		-	•			-			•	٠.		-	•										-	•		•				-	_	_			•		_			_	_	_				•
	4. 4. L. L.	4.4	1.6	1.1.	4.1 1	4.	1.6	1.1.	4.1 1	 		1.1.	1.1	4.	. <del>.</del>	1.1	4.		1.1.	4.	 	1.1.	1.1.	4.4	 	4.		i!	ri -	l r-l	4.	1	1.1		I	<b>-</b> -		ı ~	۲.		4.1	4.	. r.	4.	4.	4.4	 	. t.	1.		. <del>.</del>	L. 4	: -: : -:
104	104	104	104 03.5	03.5	03.5	03.5	03.5	03.5	03.5	03.5	103	103	103	103	103	103	103	103	103	103	103	103	103	020	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5	02.5
612 613																																																					
		· · · ·															****																								-								,	**			
1, Appli 1, Appli	17, Appl 17, Appl	17, Appl	, ,	1, Appli	10882, A	5, Appli	4, Appli				Sequence 29, Appl	0	a)	~ ~	Sequence 1, Appli	•	4	., ,.	,	,	.,,,,					edneuce	equence	e 32, Appl	2, Appl	9 0	4. 1.	Sequence 52, App.				4	eduence	ednence	e e	Sequence 5, Appli Sequence 39, Appl	equence 1	Sequence 117, App	equence 2	equence ?	ω,	equence 1	ט ט	equence 4	equence (	equence	ednence (	ence (	ednence
Sequence 1, Appli Sequence 1, Appli	Sequence 17, Appl Sequence 17, Appl	Sequence 17, Appl	Sequence	Sequence 3407, Ap	Sequence 10882, A	Sequence 5, Appli	Sequence 4, Appli Sequence 3, Appli	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence 1	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence 32, Appl	Sequence 32, Appl	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
3 US-09-738-884-1 Sequence 1, Appli 4 US-10-096-961A-1 Sequence 1, Appli	3 US-08-991-862-17 Sequence 17, Appl 4 US-09-813-156-17 Sequence 17, Appl	4 US-09-456-886-17 Sequence 17, Appl 4 US-09-824-647-17 Sequence 17 Appl	4 US-09-824-64/-1/ Sequence 1 4 US-09-949-016-9467 Sequence (	3 US-09-334-220-1 Sequence 1, Appli	4 US-09-949-016-10882 Sequence 10882, A	4 US-08-933-711B-5 Sequence 5, Appli	4 US-IU-006-011A-4 Sequence 4, Appli 4 US-10-006-011A-3 Sequence 3, Appli	4 US-09-706-722A-7 Sequence	2 US-07-728-215-29 Sequence	3 US-08-938-085A-29 Sequence	4 US-10-072-844-29 Sequence 4 US-10-072-838-29 Sequence 2	4 US-10-072-841A-29 Sequence	4 US-10-219-631A-29 Sequence	4 US-09-949-016-6963 Sequence (	2 US-08-789-078-1 Sequence 1	2 US-08-752-633-1 Sequence 1	2 US-08-476-062A-45 Sequence	3 IIS-08-938-0858-31 Sequence	4 US-10-072-844-31 Sequence	4 US-10-072-838-31 Sequence	4 US-10-072-841A-31 Sequence 3	5 PCT-US95-04886-1 Sequence 1	5 PCT-US96-01314-45 Sequence	1 US-08-444-792-4 Sequence 4	2 US-07-728-215-32 Sequence	3 US-08-938-085A-32 Sequence	3 US-09-409-648-3 Sequence	4 US-10-072-844-32 Sequence 32, Appl	4 US-10-072-838-32 Sequence 32, Appl 4 US-10-072-8411-32 Sequence 32 Appl	4 US-09-054-272-8 Sequence 6	4 US-09-054-272-44 Sequence 4	4 US-09-949-016-5901 Sequence	3 US-08-872-855-6 Sequence	1 US-08-148-910-12 Sequence 1 US-08-448-937A-12 Semience 1	4 US-08-933-711B-6 Sequence	4 US-09-747-371-2 Sequence 2	5 PCT-US96-07709-7 Sequence 7	3 US-09-191-647-5 Sequence	3 US-09-540-245A-5 Sequence	3 US-09-540-153-5 Sequence 3 US-09-724-864-39 Sequence 3	4 US-09-561-709B-1 Sequence	4 US-08-450-482B-117 Sequence 1	4 US-09-845-583A-2 Sequence 2	4 US-09-370-838-206 Sequence 2	4 US-09-854-133-206 Sequence	4 US-08-450-482B-125 Sequence 1	4 US-09-657-472-4 Sequence	5 PCT-US93-11725-4 Sequence	3 US-09-111-470-8 Sequence	4 US-09-862-802A-8 Sequence 8	4 US-09-845-583A-8 Sequence	4 US-09-917-254-87 Sequence 8	3 US-09-188-930-335 Sequence
US-09-738-884-1 Sequence 1, Appli US-10-096-961A-1 Sequence 1, Appli	593 3 US-08-991-862-17 Sequence 17, Appl 593 4 US-09-813-156-17 Sequence 17, Appl	593 4 US-09-456-886-17 Sequence 17, Appl 593 4 IR-09-824-647-17 Sequence 17 Appl	593 4 US-09-824-64/-1/ Sequence 784 4 US-09-949-016-9467 Sequence 6	704 4 US-03-743-010-340/ Sequence 340/, Ap 3460 3 US-09-334-220-1 Sequence 1, Appli	485 4 US-09-949-016-10882 Sequence 10882, A	700 4 US-08-933-711B-5 Sequence 5, Appli	495 4 US-10-006-011A-4 Sequence 4, Appli 705 4 US-10-006-011A-3 Sequence 3, Appli	178 4 US-09-706-722A-7 Sequence	577 2 US-07-728-215-29 Sequence	577 3 US-08-938-085A-29 Sequence	577 4 US-10-072-844-29 Sequence 577 4 US-10-072-838-29 Sequence 5	577 4 US-10-072-841A-29 Sequence	577 4 US-10-219-631A-29 Sequence	757 4 US-09-949-016-6963 Sequence (	769 2 US-789-078-1 Sequence 3	769 2 US-08-752-633-1 Sequence 1	769 2 US-08-476-062A-45 Sequence	769 3 IIS-08-938-0858-31 Seguence 3	769 4 US-10-072-844-31 Sequence	769 4 US-10-072-838-31 Sequence	769 4 US-10-072-841A-31 Sequence	769 5 PCT-US95-04886-1 Sequence 1	769 5 PCT-US96-01314-45 Sequence	718 1 US-08-444-792-4 Sequence 4	788 2 US-07-728-215-32 Sequence	788 3 US-08-938-085A-32 Sequence	788 3 US-09-409-648-4 Sequence 2	788 4 US-10-072-844-32 Sequence 32, Appl	788 4 US-10-072-838-32 Sequence 32, Appl 788 4 US-10-072-84112-32 Semience 32, Appl	788 4 US-09-054-272-8 Sequence	788 4 US-09-054-272-44 Sequence 4	788 4 US-09-949-016-5901 Sequence	157 3 US-08-872-855-6 Sequence	655 1 US-08-148-910-12 Sequence 1 655 1 US-08-448-9378-12 Sequence 1	700 4 US-08-933-711B-6 Sequence	999 4 US-09-747-371-2 Sequence 2	72 5 PCT-US96-07709-7 Segmence	160 3 US-09-191-647-5 Sequence	160 3 US-09-540-245A-5 Sequence	160 3 US-09-540-153-5 Sequence 3 492 3 US-09-724-864-39 Sequence 3	1761 4 US-09-561-709B-1 Sequence	238 4 US-08-450-482B-117 Sequence 1	3635 4 US-09-845-583A-2 Sequence 2	197 4 US-09-370-838-206 Sequence 2	197 4 US-09-854-133-206 Sequence 2	227 4 US-08-450-482B-125 Sequence 1	961 4 US-09-657-472-4 Sequence	961 5 PCT-US93-11725-4 Sequence	238 3 US-09-111-470-8 Sequence	238 4 US-09-862-802A-8 Sequence (	1798 4 US-09-845-583A-8 Sequence	1798 4 US-09-917-254-87 Sequence 8	194 3 US-09-188-930-335 Sequence
4.3 2211 3 US-09-738-884-1 Sequence 1, Appli 4.3 2211 4 US-10-096-961A-1 Sequence 1, Appli	4.3 593 3 US-08-991-862-17 Sequence 17, Appl 4.3 593 4 US-09-813-156-17 Sequence 17, Appl	4.3 593 4 US-09-456-886-17 Sequence 17, Appl 4.3 593 4 113-09-824-647-17 Sequence 17, Appl	4.3 593 4 US-09-824-64/-1/ Sequence . 4.3 784 4 US-09-949-016-9467 Sequence .	4.3 3460 3 US-09-334-220-1 Sequence 1, Appli	4.3 485 4 US-09-949-016-10882 Sequence 10882, A	4.3 700 4 US-08-933-711B-5 Sequence 5, Appli	4.3 705 4 US-10-006-011A-4 Sequence 4, Appl. 4.3 705 4 US-10-006-011A-3 Sequence 3 Appl.	4.3 178 4 US-09-706-722A-7 Sequence	4.3 577 2 US-07-728-215-29 Sequence	4.3 577 3 US-08-938-085A-29 Sequence	4.3 577 4 US-10-0/2-844-29 Sequence 4.3 577 4 US-10-072-838-29 Sequence 5	4.3 577 4 US-10-072-841A-29 Sequence 2	4.3 577 4 US-10-219-631A-29 Sequence	4.3 757 4 US-09-949-016-6963 Sequence (	4.3 769 2 US-08-789-078-1 Sequence	4.3 769 2 US-08-752-633-1 Sequence 1	4.3 769 2 US-08-476-062A-45 Sequence	4.3 769 3 HS-08-938-0858-31 Seguence 3	4.3 769 4 US-10-072-844-31 Sequence	4.3 769 4 US-10-072-838-31 Sequence	4.3 769 4 US-10-072-841A-31 Sequence	4.3 769 5 PCT-US95-04886-1 Sequence 1	4.3 769 5 PCT-US96-01314-45 Sequence	4.2 718 1 US-08-444-792-4 Sequence 4	4.2 788 2 US-07-728-215-32 Sequence	4.2 788 3 US-08-938-085A-32 Sequence	4.2 788 3 US-09-409-648-3 Seguence 3	4.2 788 4 US-10-072-844-32 Sequence 32, Appl	4.2 788 4 US-10-072-838-32 Sequence 32, Appl 4.2 788 4 US-10-072-8412-32 Sequence 32, Appl	4.2 788 4 US-09-054-272-8 Sequence	4.2 788 4 US-09-054-272-44 Sequence 4	4.2 788 4 US-09-949-016-5901 Sequence	4.2 157 3 US-08-872-855-6 Sequence	4.2 655 1 US-08-148-910-12 Sequence 1	4.2 700 4 US-08-933-711B-6 Sequence	4.2 999 4 US-09-747-371-2 Sequence 2	4.2 72 5 PCT-US96-07709-7 Sequence	4.2 160 3 US-09-191-647-5 Sequence	4.2 160 3 US-09-540-245A-5 Sequence	4.2 160 3 US-09-540-153-5 Sequence 3 4.2 492 3 US-09-724-864-39 Sequence 3	4.2 1761 4 US-09-561-709B-1 Sequence	4.2 238 4 US-08-450-482B-117 Sequence 3	4.2 3635 4 US-09-845-583A-2 Sequence 2	4.2 197 4 US-09-370-838-206 Sequence 2	4.2 197 4 US-09-854-133-206 Sequence 2	4.2 227 4 US-08-450-482B-125 Sequence 1	4.2 961 4 US-09-657-472-4 Sequence	4.2 961 5 PCT-US93-11725-4 Sequence	4.1 238 3 US-09-111-470-8 Sequence	4.1 238 4 US-09-862-802A-8 Sequence 8	4.1 1798 4 US-09-845-583A-8 Sequence 8	4.1 1798 4 US-09-917-254-87 Sequence 8	4.1 194 3 US-09-188-930-335 Sequence
2211 3 US-09-738-884-1 Sequence 1, Appli 2211 4 US-10-096-961A-1 Sequence 1, Appli	4.3 593 3 US-08-991-862-17 Sequence 17, Appl 4.3 593 4 US-09-813-156-17 Sequence 17, Appl	4.3 593 4 US-09-456-886-17 Sequence 17, Appl 4.3 593 4 113-09-824-647-17 Sequence 17, Appl	4.3 593 4 US-09-824-64/-1/ Sequence 3	4.3 3460 3 US-09-334-220-1 Sequence 1, Appli	4.3 485 4 US-09-949-016-10882 Sequence 10882, A	4.3 700 4 US-08-933-711B-5 Sequence 5, Appli	4.3 705 4 US-10-006-011A-4 Sequence 4, Appl. 4.3 705 4 US-10-006-011A-3 Sequence 3 Appl.	4.3 178 4 US-09-706-722A-7 Sequence	4.3 577 2 US-07-728-215-29 Sequence	4.3 577 3 US-08-938-085A-29 Sequence	4.3 577 4 US-10-0/2-844-29 Sequence 4.3 577 4 US-10-072-838-29 Sequence 5	4.3 577 4 US-10-072-841A-29 Sequence 2	4.3 577 4 US-10-219-631A-29 Sequence	4.3 757 4 US-09-949-016-6963 Sequence (	4.3 769 2 US-08-789-078-1 Sequence	4.3 769 2 US-08-752-633-1 Sequence 1	4.3 769 2 US-08-476-062A-45 Sequence	4.3 769 3 HS-08-938-0858-31 Seguence 3	4.3 769 4 US-10-072-844-31 Sequence	4.3 769 4 US-10-072-838-31 Sequence	4.3 769 4 US-10-072-841A-31 Sequence	4.3 769 5 PCT-US95-04886-1 Sequence 1	4.3 769 5 PCT-US96-01314-45 Sequence	4.2 718 1 US-08-444-792-4 Sequence 4	4.2 788 2 US-07-728-215-32 Sequence	4.2 788 3 US-08-938-085A-32 Sequence	4.2 788 3 US-09-409-648-3 Seguence 3	4.2 788 4 US-10-072-844-32 Sequence 32, Appl	4.2 788 4 US-10-072-838-32 Sequence 32, Appl 4.2 788 4 US-10-072-8412-32 Sequence 32, Appl	4.2 788 4 US-09-054-272-8 Sequence	4.2 788 4 US-09-054-272-44 Sequence 4	4.2 788 4 US-09-949-016-5901 Sequence	4.2 157 3 US-08-872-855-6 Sequence	4.2 655 1 US-08-148-910-12 Sequence 1	4.2 700 4 US-08-933-711B-6 Sequence	4.2 999 4 US-09-747-371-2 Sequence 2	4.2 72 5 PCT-US96-07709-7 Sequence	4.2 160 3 US-09-191-647-5 Sequence	4.2 160 3 US-09-540-245A-5 Sequence	4.2 160 3 US-09-540-153-5 Sequence 3 4.2 492 3 US-09-724-864-39 Sequence 3	4.2 1761 4 US-09-561-709B-1 Sequence	4.2 238 4 US-08-450-482B-117 Sequence 3	4.2 3635 4 US-09-845-583A-2 Sequence 2	4.2 197 4 US-09-370-838-206 Sequence 2	4.2 197 4 US-09-854-133-206 Sequence 2	4.2 227 4 US-08-450-482B-125 Sequence 1	4.2 961 4 US-09-657-472-4 Sequence	4.2 961 5 PCT-US93-11725-4 Sequence	4.1 238 3 US-09-111-470-8 Sequence	4.1 238 4 US-09-862-802A-8 Sequence 8	4.1 1798 4 US-09-845-583A-8 Sequence 8	4.1 1798 4 US-09-917-254-87 Sequence 8	4.1 194 3 US-09-188-930-335 Sequence

'n
O
0
2002
03
0
••
0
20:0
13
⊣
18
Н
۵
0
Feb

Sequence 2, Appli Sequence 37, Appli Sequence 17, Appli Sequence 17, Appli Sequence 4, Appli Sequence 43579, A Sequence 43579, A	Sequence 3, Appli Sequence 19, Appl Sequence 89, Appl Sequence 5942, Appl Patent No. 5217870	sequence Sequence Sequence	Sequence 5, Appli Sequence 2, Appli Sequence 15, Appl	Sequence 2, Appli Sequence 2, Appli	Sequence 15, Appliant Sequence 15, Appl	Sequence 2, Appli Sequence 6, Appli Sequence 6, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence 19, Appl Sequence 19, Appl	iii	2 8 2	ທິດ	ກໍລ	Sequence 2, Appli Sequence 1, Appli		55.	_	13.	135	15	15	m m	اِسَ اِ	w w	4	ຸເດີເ	atent No. 55 Sequence 18.	equence 16,	equence 20,	equence 23,	Sequence 21, Appl Sequence 21, Appl	equence 18,
US-09-051-624A-2 US-08-274-661B-37 US-08-465-794-17 US-09-049-813-17 PCT-US93-1041B-4 US-09-270-767-43579 US-09-270-767-45035	US-0 US-0 US-0 US-0	5217 US-0 US-0	o-sn ns-o	o-sn o-sn	us-o	0-SU	o-sn o-sn	US-08-460-309-19 US-08-125-077-19	US-09-949-016-11	o-sn O-sn	US-09-482-273-24 US-08-884-072-5 US-08-833-963C-9	ns-c	-sn	US-CI-	5514582-	us-c	US-08-89 US-09-94	US-09-94	US-09-94 US-09-94	US-09-94	US-09-54	US-09-55	4 US-09-548-376D-13 4 US-09-548-373D-13	US-09-54	4 US-09-548-356D-13 5 5514582-9	5514582-9 IIC-09-898-554	US-09-898-554	US-09-898-554	US-08-525-940	2 US-08-578-838-23 2 US-08-525-940-21 2 US-08-976-838-21	US-08-525-940
80 3 120 1 177 2 177 3 199 5 258 4														857 3 857 3						963		988	880	880	110	- '					
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	თთთთ	, o o o	000	. თ თ (	თთ	on on o	, , ,	თ თ	<b>σ σ</b>	თთი	ი თ თ		000	ا م ن م	مەم	م م	ا من من	ດ ດຸ	0,0	ص ه	000	. ס	ص ص		υ. œ.	œ. o	o 00.	ω. α		, ,	0.00
758 759 760 761 763																															
Sequence 30, Appl Sequence 30, Appl Sequence 6193, Ap Sequence 70, Appl Sequence 7, Appli Patent No. 5256770								22, Appl 55, Appl	Appl Appli	Appli Appli	ppli ppli	pli pli	pli	Appl App	d d	Appli Appli	ppli	Appli	Appli	Appl	Appl Appl	opli topl	repl ppl		opl opl	ppl	Appl App	App		15, App 15, App Amli	
	ស្រីស៊ីស៊ីស៊ីលី	Seque Seque Seque	Sequenc	Sequenc	Sequence	Sequence	Sequence							121	101		8 7	7,0	9 0	9	2.5	1,8	616	13	101	20	10	e 11	equence 1 equence 1	quence 1 quence 1	Sequence
US-10-072-841A-30 US-10-219-631A-30 US-09-949-016-6193 US-09-086-436-30 US-09-257-583-7 5256770-7	US-09-949-016-7017 US-09-949-016-8169 US-09-949-016-8170 US-08-900-230-3	US-08-718-388-9 US-08-884-072-1 US-09-212-168-1 US-09-409-096-1	US-09-949-016-7403 US-08-933-711B-16 US-09-183-861-22	US-09-103-861-52 US-09-183-861-55 US-09-022-765-22	US-09-022-765-55 US-09-551-974A-22	US-09-551-974A-55 US-09-565-501A-22	US-09-565-501A-55 US-09-639-206A-22 US-09-639-206A-55	US-09-874-923-22 Sequence	US-08-798-841-22 Sequence US-08-282-141-3 Sequence	US-08-435-434-1 Sequence US-08-435-436-1 Sequence	US-08-438-863-1 Sequence	US-08-438-862-1 Sequence US-08-628-747-1 Sequence TG-08-622-747-1 Sequence	US-08-443-8668-1 US-08-630-172-10 Sequence	US-09-375-419-10 Sequence 10, US-09-874-923-121 Sequence 121	US-09-949-016-6959 US-09-949-016-10131 Sequence 101	US-09-052-469-8 Sequence 8, TIS-08-422-582-8	US-09-052-262-8 Sequence 8, US-08-460-751-2 Sequence 2,	US-09-479-467A-2 Sequence 2,	US-08-422-40. Sequence 6, 176-08-422-46. Sequence 6, 176-08-422-46. Sequence 6	US-10-142-231-86 Sequence 86	US-08-460-309-15 Sequence 15, US-08-125-077-15 Sequence 15,	US-08-772-440-2 Sequence 2, IS-08-933-711R-18 Sequence 18	US-09-245-041-19 Sequence 19	US-09-338-0338-19 Sequence 19 US-09-893-238-19 Sequence 19	US-09-560-385A-12 Sequence 12, US-09-191-647-10 Sequence 10	US-09-540-245A-10 Sequence 10	US-09-540-153-10 Sequence 10	US-08-981-799A-112 Sequence 11;	US-09-004-730A-119 Sequence 1 US-08-981-799A-119 Sequence 1	US-09-004-730A-115 Sequence 1 US-08-981-799A-115 Sequence 1 US-08-981-799A-115 Sequence 1	US-08-276-967-2 Se US-08-663-191A-3 Se
798 4 US-10-072-841A-30 798 4 US-10-219-631A-30 792 4 US-09-949-016-6193 732 4 US-09-086-436-30 1156 4 US-09-257-583-7 572 6 5256770-7	4 US-09-949-016-7017 4 US-09-949-016-8169 4 US-09-949-016-8170 3 US-08-900-230-3 112-08-718-38-9	3 US-08-718-388-9 2 US-08-884-072-1 3 US-09-212-168-1 4 US-09-409-096-4	4 US-09-949-016-7403 4 US-08-933-711B-16 3 US-09-183-861-22	3 US-09-183-861-55 3 US-09-183-861-55 3 US-09-022-765-22	3 US-09-022-765-55 4 US-09-551-974A-22	4 US-09-551-974A-55 4 US-09-565-501A-22	4 US-09-565-501A-55 4 US-09-639-206A-22 4 US-09-639-206A-55	4 US-09-874-923-22 Sequence	4 US-08-798-841-22 Sequence 1 US-08-282-141-3 Sequence	1 US-08-435-434-1 Sequence 1 US-08-435-436-1 Sequence	2 US-08-438-863-1 Sequence 2 US-08-438-864-1 Sequence	3 US-08-438-862-1 Sequence 3 US-08-628-747-1 Sequence 3 US-08-628-747-1 Sequence	3 US-08-443-866B-1 Sequence 3 US-08-630-172-10 Sequence	3 US-09-375-419-10 Sequence 10, 4 US-09-874-923-121 Sequence 121	4 US-09-949-016-6959 Sequence 101 4 US-09-949-016-10131 Sequence 101	3 US-09-052-469-8 Sequence 8, 4 US-08-422-582-8 Sequence 8,	4 US-09-052-262-8 Sequence 8, 2 US-08-460-751-2 Sequence 2,	4 US-09-479-467A-2 Sequence 2,	4 US-08-422-582-6 Sequence 6,	4 US-10-142-231-86 Sequence 86	2 US-08-460-309-15 Sequence 15, 2 US-08-125-077-15 Sequence 15,	3 US-08-772-440-2 Sequence 2, 4 US-08-933-7118-18 Sequence 18	3 US-09-245-041-19 Sequence 19	4 US-09-338-0338-19 Sequence 19	4 US-09-560-385A-12 Sequence 12, 3 US-09-191-647-10 Sequence 10	3 US-09-540-245A-10 Sequence 10	3 US-09-540-153-10 Sequence 10	4 US-08-981-799A-112 Sequence 11;	4 US-09-004-730A-119 Sequence 1 4 US-08-981-799A-119 Sequence 1	4 US-09-004-730A-115 Sequence 1 4 US-08-981-799A-115 Sequence 1	2 US-08-276-967-2 Se 3 US-08-663-191A-3 Se
4.1 798 4 US-10-072-841A-30 4.1 798 4 US-10-219-631A-30 4.1 798 4 US-09-949-016-6193 4.1 2732 4 US-09-086-436-30 4.0 572 6 5256770-7 4.0 572 6 5256770-7	.0 790 4 US-09-949-016-7017 .0 790 4 US-09-949-016-8169 .0 790 4 US-09-949-016-8170 .0 1417 3 US-08-900-230-3	.0 5405 3 US-08-718-388-9 .0 448 2 US-08-884-072-1 .0 448 3 US-09-212-168-1 .0 448 4 US-09-409-096-4	.0 504 4 US-09-949-016-7403 .0 663 4 US-08-933-711B-16 .0 320 3 US-08-183-861-22	.0 320 3 US-09-183-861-55 .0 320 3 US-09-183-861-55 .0 320 3 US-09-022-765-22	.0 320 3 US-09-022-765-55 .0 320 4 US-09-551-974A-22	.0 320 4 US-09-551-974A-55 .0 320 4 US-09-565-501A-22	320 4 US-09-565-501A-55 320 4 US-09-639-206A-22 320 4 US-09-639-206A-55	0 320 4 US-09-874-923-22 Sequence	.0 320 4 US-08-798-841-22 Sequence .0 673 1 US-08-282-141-3 Sequence	.0 673 1 US-08-435-434-1 Sequence .0 673 1 US-08-435-436-1 Sequence	673 2 US-08-438-863-1 Sequence 673 2 US-08-438-864-1 Sequence	6/3 3 US-08-438-862-1 Sequence 6/3 3 US-08-628-74-1 Sequence 6/3 1 TR-08-402-263-1	.0 673 3 US-08-443-866B-1 Sequence .0 676 3 US-08-630-172-10 Sequence	.0 676 3 US-09-375-419-10 Sequence 10, .0 709 4 US-09-844-923-121 Sequence 121	.0 /81 4 05-09-949-016-0959 Sequence 05:0 .0 970 4 05:09-949-016-10131 Sequence 101	.0 4302 3 US-03-23-2469-8 Sequence 8,	.0 4302 4 US-09-052-262-8 Sequence 8,	.0 4303 4 US-09-479-467A-2 Sequence 2,	.0 4339 4 05-05-05-150 Sequence 6,	.0 1461 4 US-10-142-231-86 Sequence 86	.0 243 2 US-08-460-309-15 Sequence 15, 0 243 2 US-08-125-077-15 Sequence 15,	.0 244 3 US-08-772-440-2 Sequence 2, 0 592 4 US-08-933-711R-18 Sequence 18	.0 871 3 US-09-245-041-19 Sequence 19	.0 8/1 4 US-09-358-055B-19 Sequence 19.	.0 1694 4 US-09-560-385A-12 Sequence 12, 9 154 3 US-09-191-647-10 Sequence 10	.9 154 3 US-09-540-245A-10 Sequence 10	.9 154 3 US-09-540-153-10 Sequence 10 o o o o o d HS-09-004-730A-112 Sequence 113	.9 238 4 US-08-981-799A-112 Sequence 11:	.9 242 4 US-09-004-730A-119 Sequence I .9 242 4 US-08-981-799A-119 Sequence I	264 4 US-09-004-730A-115 Sequence 1 264 4 US-08-981-799A-115 Sequence 1 264 4 US-08-981-799A-115 Sequence 1	.9 2476 2 US-08-276-967-2 Se .9 80 3 US-08-663-191A-3 Se

Sequence 33, Appl Sequence 33, Appl Sequence 33, Appl Sequence 10793, A	Seguence 6215, Ap Seguence 72, Appl	Sequence 7, Appli	Sequence 15333, A	Sequence 17, Appl	Sequence 4, Appli	Sequence 2, Appli	Sequence 4, Appil	Sequence 33, Appl	Sequence 4, Appli	Sequence 2, Appli	Sequence 2, Appliance 18. Appliance 18. Appliance 18. Appliance 18. Appliance 18. Appliance 18. Appliance 20. Appl	Sequence 8, Appli	Sequence 35, Appl	Sequence 8, Appl	Sequence 58, Appl	Sequence 33, Appl	Sequence 3, Appli	Sequence 3, Appli	Sequence 33, Appl	Sequence 14, Appl	Sequence 33, Appl	Sequence 2, Appli	Sequence 18, Appl	Sequence 4, Appli	Sequence 8, Appli	Sequence 58, Appl	Sequence 21, Appl	Sequence 29, Appl	Sequence 2, Appli	Sequence 35. Appl	Sequence 278, App	Sequence 6216, Ap	Sequence 9878, Ap	Patent No. 5189019	Sequence 3, Appli	Sequence 3, Appli	Sequence 11. App	Sequence 14, Appl	Sequence 10340,	Sequence 10341,	Sequence 16, Appl	Sequence 3, Appli	Sequence 13, Appl	Sequence 13, Appl	Sequence 13, App.	Sequence 18234, 7	Sequence 16, App	Sequence 12, App.	Sequence 14, Appl	Sequence 4. Appli	Sequence 16, Appl	Sequence 16, Appl	Sequence 14, Appl	Sequence 14, Appl	Sequence 9, Appli	Sequence 869, Ap
US-10-072-838 US-10-072-841 US-10-219-631 US-09-902-540	US-09-949-016-621 US-09-538-092-72	US-08-718-388-7	US-09-902-540-1	US-08-460-309	US-08-999-811-4	US-08-824-996	US-09-042-103	US-08-585-89	US-10-084-48	US-08-999-81	US-09-042-10	US-08-795-430-8	US-08-510-13	US-09-355-700-8	US-09-355-70	US-08-601-132-3	US-08-706-054A-	US-09-313-29	US-08-671-57	US-09-438-04	US-09-631-(	US-10-084-4	US-10-084-4	US-09-375-2	US-09-534-376A-8	US-09-534-3	US-09-169-	US-09-214-9		US-09-914-2	US-09-976-594-27	US-09-949-	US-09-949-016-987	518	-sn	-Sn	-SU	ns-	us-	US-09-949-016-103	ns-	20.0	as-	us-	US-09-893-238-13	ds.	-sn	SO	מי	us-	Sn -Sn	us-		-sn	-SD	us-
846 846 910 4																																																								
	œ. α.	, α, α		œ. «		۵.	0 00	. ه	ω. ه	æ. a		. &	ω.	œ. ه	ω. α			ņα			. 80	æ. (	φ. α			8.	ω.	8.	ထ္ဝ		8	۳.	æ, r		.7	٠. ١				٠.	۲. ۱			.7	.7	٠.	۲.						.7	۲.	٠. ۱	۲.
ຳຕຸດຕຸ	n n	i vo r	92																														0.10		10	10.1	0.10									<del>-</del> 11	en .			H 400			94			<b>e</b> # 1
906				13	15	16	18	19	20	22	233	24	25	56		9 6	50.0	3.50	35	33	34	35	36	7.5	0 0	40	41	42	. 4 	45	46	47																								
																																																				***				
, m m .	4 4 4 4	Sequence 42, Appl	13,	4589	'n	n, n		٠.	_,	41 W	, ,,		٠,			٠,		4.		Sequence 2, Appli	Sequence 8, Appli	Sequence 10, Appl	Sequence 11365, A	Sequence 11366, A	Sequence 11368, A	Sequence 6, Appli	Sequence 2, Appli	Sequence 3, Appli	Sequenc	Patent No. 5447911	Sequence 13, Appl	Sequence 2, Appli	Sequence 2, Appli	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 20, Appl	Sequence 18, Appl	Sequence 18, Appl	Sequenc	Patent No. 5514582	atent N	Sequence 10, Appl	o a	3,5	20	20	Η.	,,	m c	ຕິ
Sequence 2, 7 Sequence 7, 7 Sequence 78,	Sequence 44, Sequence 44,	Sequence 42,	Sequence 13,	Sequence 4589	Sequence 5,	Sequence 5,	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequenc	Sequenc	Sednenc	Sequenc	Sequenc	Sequenc	Sequenc	Sequenc	Sequenc	Sequenc	Patent N	Sequenc	Sequenc	Seguenc	Sequenc	Sequenc	Sequenc	Sequenc	Seguenc	Sequenc	Sequenc	Sequenc	Seguenc	Sequenc	Sequenc	Seguenc	Patent N	Patent N	Seguenc	Sequence 6,	Sequence 31.	Sequence 20	Sequence 20,	Sequence 1,	Sequence 1,	Sequence 33,	Sequence 33,
3 US-09-214-5558-2 Sequence 2, 7 Sequence 7, 7 Sequence 7, 7 Sequence 7, 7 Sequence 7, 8 Sequence 78, 7 US-09-578-063-78 Sequence 78,	4 US-09-060-299-44 Sequence 44, 4 US-09-402-923A-44 Sequence 44,	4 US-09-060-299-42 Sequence 42,	3 US-09-364A-13 Sequence 13,	4 US-09-270-767-45893 Sequence 4589 2 US-08-688-342-5 Semience 5 P	2 US-09-113-788-5 Sequence 5,	3 US-09-111-470-5 Sequence 5,	4 US-09-489-847-293 Sequence	4 US-09-949-016-9962 Sequence	4 US-09-312-283C-186 Sequence	4 US-09-636-ZIS-590 Sequence:	4 US-09-679-426-590 Sequence	4 US-09-759-143-590 Sequence	4 US-09-651-236-590 Sequence	2 US-08-820-170A-25 Sequence	3 US-09-055-699-25 Sequence 2	3 US-UY-Z/3-565-Z5 Sequence 2	3 US-UY-363-338-25 Sequence 2	3 US-09-001-400-23 Sequence 4 113-09-976-165-25	4 US-09-227-853A-2 Sequence 2	5 PCT-US95-06385-2 Sequenc	4 US-08-933-711B-8 Sequenc	1 US-08-220-603A-10 Sequenc	4 US-09-949-016-11365 Sequenc	4 US-09-949-016-11366 Sequenc	4 US-09-949-016-11368 Sequenc	4 US-09-463-048A-6 Sequenc	4 US-09-060-854B-2 Sequenc	4 US-09-529-904-3 Sequenc	4 US-09-949-016-8450 Sequenc	6 5447911-1 Patent N	3 US-08-772-440-13 Sequenc	3 US-09-111-470-2 Sequenc	4 US-09-862-802A-2 Sequenc	4 US-09-907-794A-34 Sequenc	4 US-09-905-125A-34 Sequenc	4 US-09-902-775A-34 Sequenc	4 US-09-903-603A-34 Sequence	4 US-09-904-920A-34 Sequenc	4 US-09-909-064-34 Sequenc	4 US-09-905-381A-34 Sequenc	4 US-09-906-618-34 Sequenc	4 US-09-561-7028-20 Sequenc	4 US-09-562-702A-18 Sequenc	4 US-09-561-818A-18 Sequenc	4 US-09-949-016-8985 Sequenc	6 5514582-19 Patent N	6 5514582-19 Patent N	3 US-08-7/2-440-IU Sequenc	3 US-09-011-/33-6 Sequence 6,	3 US-08-772-440-31 Segmence 31.	3 US-09-383-586-20 Sequence 20,	4 US-09-823-038A-20 Sequence 20,	3 US-09-011-735-1 Sequence 1,	3 US-09-029-156-1 Sequence 1,	2 US-07-728-215-33 Sequence 33,	3 US-08-938-085A-33 Sequence 33,
915 3 US-09-214-555B-2 Sequence 2, 7 915 3 US-09-214-555B-7 Sequence 7, 7 91436 4 US-09-578-063-78 Sequence 78,	1586 4 US-09-060-299-44 Sequence 44, 1586 4 US-09-402-923A-44 Sequence 44,	1614 4 US-09-060-299-42 Sequence 42, 1614 4 US-09-402-923A-42 Semience 42	1882 3 US-09-369-364A-13 Sequence 13,	247 4 US-09-270-767-45893 Sequence 4589 291 2 US-08-688-342-5 Semience 5 P	291 2 US-09-113-788-5 Sequence 5,	291 3 US-09-111-470-5 Sequence 5,	296 4 US-09-847-293 Sequence 2	311 4 US-09-949-016-9962 Sequence	335 4 US-09-312-283C-186 Sequence 1	347 4 US-UY-636-ZIS-590 Sequence:	347 4 US-09-679-426-590 Sequence	347 4 US-09-759-143-590 Sequence	347 4 US-09-651-236-590 Sequence	374 2 US-08-820-170A-25 Sequence	374 3 US-09-055-699-25 Sequence 2	374 3 US-US-Z/3-363-Z3 Sequence 2	3/4 3 US-UY-565-538-25 Sequence 2	374 4 IIS-09-076-165-25 Seguence 3	374 4 US-09-227-853A-2 Sequence	374 5 PCT-US95-06385-2 Sequenc	482 4 US-08-933-711B-8 Sequenc	505 1 US-08-220-603A-10 Sequenc	657 4 US-09-949-016-11365 Sequenc	657 4 US-09-949-016-11366 Sequenc	657 4 US-09-949-016-11368 Sequenc	1388 4 US-09-463-048A-6 Sequenc	1497 4 US-09-060-854B-2 Sequenc	1497 4 US-09-529-904-3 Sequenc	1621 4 US-09-949-016-8450 Sequenc	120 6 5447911-1 Patent N	199 3 US-08-772-440-13 Sequenc	237 3 US-09-111-470-2 Sequenc	237 4 US-09-862-802A-2 Sequenc	915 4 US-09-907-794A-34 Sequence	915 4 US-09-905-125A-34 Sequenc	915 4 US-09-902-775A-34 Sequenc	915 4 US-09-903-603A-34 Sequence	915 4 US-09-904-920A-34 Sequenc	915 4 US-09-909-064-34 Sequenc	915 4 US-09-905-381A-34 Sequenc	1325 4 US-09-906-618-34 Sequence	1725 4 US-09-561-702A-Z0 Sequence	1786 4 US-09-562-702A-18 Sequenc	1786 4 US-09-561-818A-18 Sequenc	2362 4 US-09-949-016-8985 Sequenc	123 6 5514582-19 Patent N	123 6 5514582-19 Patent N	161 3 US-08-772-440-10 Sequenc	176 3 119-08-772-440-8 Sequence 6,	180 3 US-08-772-440-31 Sequence 31,	317 3 US-09-383-586-20 Sequence 20,	317 4 US-09-823-038A-20 Sequence 20,	351 3 US-09-011-735-1 Sequence 1,	351 3 US-09-029-156-1 Sequence 1,	846 2 US-07-728-215-33 Sequence 33,	846 3 US-08-938-085A-33 Sequence 33,
915 3 US-09-214-555B-2 Sequence 2.7 915 3 US-09-214-555B-7 Sequence 7.7 436 4 US-09-578-063-78 Sequence 78,	.8 1586 4 US-09-060-299-44 Sequence 44, .8 1586 4 US-09-402-923A-44 Sequence 44,	8 1614 4 US-09-060-299-42 Sequence 42,	.8 1882 3 US-09-369-364A-13 Sequence 13,	.8 247 4 US-09-270-767-45893 Sequence 4589 8 291 2 US-08-688-342-5 Semience 5 2	.8 291 2 US-09-113-788-5 Sequence 5,	.8 291 3 US-09-111-470-5 Sequence 5,	.8 296 4 US-09-89-847-293 Sequence	.8 311 4 US-09-949-016-9962 Sequence	.8 335 4 US-09-312-283C-186 Sequence	.8 347 4 US-09-636-215-590 Sequence:	.8 347 4 US-09-679-426-590 Sequence	.8 347 4 US-09-759-143-590 Sequence	.8 347 4 US-09-651-236-590 Sequence	.8 374 2 US-08-820-170A-25 Sequence 2	.8 374 3 US-09-055-699-25 Sequence 2	.8 3/4 3 US-UY-Z/3-365-Z5 Sequence 2	.6 3/4 3 US-UY-363-238-25 Sequence 2	.0 5/4 5 US-09-061-406-25 Sequence 2	.8 374 4 US-09-227-853A-2 Sequence 2	.8 374 5 PCT-US95-06385-2 Sequenc	.8 482 4 US-08-933-711B-8 Sequenc	.8 505 1 US-08-220-603A-10 Sequenc	.8 657 4 US-09-949-016-11365 Sequenc	.8 657 4 US-09-949-016-11366 Sequenc	.8 657 4 US-09-949-016-11368 Sequenc	.8 1388 4 US-09-463-048A-6 Sequenc	.8 1497 4 US-09-060-854B-2 Sequenc	.8 1497 4 US-09-529-904-3 Sequenc	.8 1621 4 US-09-949-016-8450 Sequenc	.8 120 6 5447911-1 Patent N	.8 199 3 US-08-772-440-13 Sequenc	.8 237 3 US-09-111-470-2 Sequenc	.8 23/ 4 US-09-862-802A-2 Sequenc	.8 915 4 US-09-907-794A-34 Sequenc	.8 915 4 US-09-905-125A-34 Sequenc	.8 915 4 US-09-902-775A-34 Sequenc	.8 915 4 US-09-903-603A-34 Sequence	.8 915 4 US-09-904-920A-34 Sequenc	.8 915 4 US-09-909-064-34 Sequenc	.8 915 4 US-09-905-381A-34 Sequenc	.8 915 4 US-09-906-618-34 Sequenc	.6 I/25 4 US-US-561-70ZA-ZU Sequenc .8 1725 4 US-09-561-818A-20 Semienc	.8 1786 4 US-09-562-702A-18 Sequenc	.8 1786 4 US-09-561-818A-18 Sequenc	.8 2362 4 US-09-949-016-8985 Sequence	.8 123 6 5514582-19 Patent N	.8 123 6 5514582-19 Patent N	.8 126 3 US-08-7/2-440-10 Sequenc	.0 176 3 115-09-011-733-0 Sequence 0,	.8 180 3 US-08-772-440-31 Sequence 31.	.8 317 3 US-09-383-586-20 Sequence 20.	.8 317 4 US-09-823-038A-20 Sequence 20,	.8 351 3 US-09-011-735-1 Sequence 1,	.8 351 3 US-09-029-156-1 Sequence 1,	.8 846 2 US-07-728-215-33 Sequence 33,	.8 846 3 US-08-938-085A-33 Sequence 33,
.8 915 3 US-09-214-5558-2 Sequence 2, 7.8 915 3 US-09-214-5558-7 Sequence 7, 7.8 1436 4 US-09-578-063-78 Sequence 78,	3.8 1586 4 US-09-060-299-44 Sequence 44, 3.8 1586 4 US-09-402-923A-44 Sequence 44.	3.8 1614 4 US-09-060-299-42 Sequence 42,	97 3.8 1882 3 US-09-369-364A-13 Sequence 13,	3.8 247 4 US-09-270-767-45893 Sequence 4589 3.8 291 2 IIS-08-688-342-5	6.5 3.8 291 2 US-09-113-788-5 Sequence 5,	6.5 3.8 291 3 US-09-111-470-5 Sequence 5,	6.5 3.8 296 4 US-09-489-847-293 Sequence	6.5 3.8 311 4 US-09-949-016-9962 Sequence	6.5 3.8 335 4 US-09-312-283C-186 Sequence 1	6.5 3.8 347 4 US-US-636-ZIS-590 Sequence:	6.5 3.8 347 4 US-09-679-426-590 Sequence	6.5 3.8 347 4 US-09-759-143-590 Sequence	6.5 3.8 347 4 US-09-651-236-590 Sequence	6.5 3.8 374 2 US-08-820-170A-25 Sequence 2	6.5 3.8 374 3 US-09-055-699-25 Sequence 2	6.5 3.8 3/4 3 US-UY-Z/3-365-Z5 Sequence 2	6.5 3.8 3/4 3 US-UY-565-538-25 Sequence 2	6.5 3.8 374 4 IIS-09-04164-25 Seguence A	6.5 3.8 374 4 US-09-227-853A-2 Sequence 2	6.5 3.8 374 5 PCT-US95-06385-2 Sequenc	6.5 3.8 482 4 US-08-933-711B-8 Sequenc	6.5 3.8 505 1 US-08-220-603A-10 Sequenc	6.5 3.8 657 4 US-09-949-016-11365 Sequenc	5.5 3.8 657 4 US-09-949-016-11366 Sequenc	6.5 3.8 657 4 US-09-949-016-11368 Sequence	6.5 3.8 1388 4 US-09-463-048A-6 Sequenc	6.5 3.8 1497 4 US-09-060-854B-2 Sequenc	6.5 3.8 1497 4 US-09-529-904-3 Sequenc	6.5 3.8 1621 4 US-09-949-016-8450 Sequenc	3.8 120 6 5447911-1 Patent N	3.8 199 3 US-08-772-440-13 Sequenc	3.8 237 3 US-09-111-470-2 Sequenc	3.8 237 4 US-09-862-802A-2 Sequenc	3.8 915 4 US-09-907-794A-34 Sequenc	3.8 915 4 US-09-905-125A-34 Sequenc	3.8 915 4 US-09-902-775A-34 Sequenc	3.8 915 4 US-09-903-603A-34 Sequence	3.8 915 4 US-09-904-920A-34 Sequenc	3.8 915 4 US-09-909-064-34 Sequenc	3.8 915 4 US-09-905-381A-34 Sequenc	3.8 915 4 US-09-906-618-34 Sequenc	3.8 1725 4 US-09-561-818A-20 Sequence	3.8 1786 4 US-09-562-702A-18 Sequenc	3.8 1786 4 US-09-561-818A-18 Sequenc	96 3.8 2362 4 US-09-949-016-8985 Sequenc	5.5 3.8 123 6 5514582-19 Patent N	5.5 3.8 123 6 5514582-19 Patent N	5.5 3.8 126 3 US-08-772-440-10 Sequenc	5.5 5.6 101 5 02-03-011-755-6 Sequence 6,	5.5 3.8 180 3 US-08-772-440-31 Semience 31.	5.5 3.8 317 3 US-09-383-586-20 Sequence 20,	5.5 3.8 317 4 US-09-823-038A-20 Sequence 20,	3.8 351 3 US-09-011-735-1 Sequence 1,	5.5 3.8 351 3 US-09-029-156-1 Sequence 1,	5.5 3.8 846 2 US-07-728-215-33 Sequence 33,	5.5 3.8 846 3 US-08-938-085A-33 Sequence 33,

2005
20:03
13:
18
Feb
Fri

				d -d	<u>م</u> ب	-a -a	I 44, r	٦. 4	4.5		<b>-</b>				d .d c	·										ન ન		٠.٠٠	1:1:	11	다.다.	न्-न्	<u> </u>	1:1:1	911
A A B B B B B B B B B B B B B B B B B B	TA:	777	127	وترت	4 δ	ب تساء		Δ,	Ď,	4 14 1	걸겆	g g	i A	ထိုထဲက	77	었다	8 8 8	466	44.	,110	110	110	144	₹ዺ;	ďď.	덥덥	$\rho$	֡֓֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֡֓֡֓֓֓֡֓֡֓֡֓֡֡֡֓֡֡֓	י בי נ	o, o,	0.0	25	di	7 57 5	20
22703, A 8814, Ap 30, Appl 2, Appli 2, Appli	App	App	App	App	792, 2, Ap	App	5175,	4, Ap 0527,	3, Ap		Apr.	A A	'A'	8, Ag	Apr	z, Api	9,9,9 1,8,14,14	, v, c	7 A 5	App.	55	2 A	(4) (6)	1512	AP A	Ap Ap		A.	1, Ap	4 & 4 &	7, A	2, Ap	<b>.</b> 00		8, Appli 6129, Ap
9 9 9 9 6 9 6 9 7 7 7 9 9 8 7 7 7 9 9 8 7 7 7 7 9 9 9 7 7 7 7	96.4	9 9 9	9 9 4 64 6	9 9 1, 1,	36 33 36 33	9 6	9 T	3e 17	26 13 15 15 15 15 15 15 15 15 15 15 15 15 15	1 11 1 1 10 11	ກັດ ປີອີດ	26 27 29 27 29 27 29 27 29 27 29 29 29 29 29 29 29 29 29 29 29 29 29	9 5	G 6 2 2	6 6 6 6 6 6	0 6 0 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 9 9	1 C C	9 0 0 9 0 0 1 0 1	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 6 6 2 9 1	1 C C	ice Lu	10e 4	ce 2		i de	ice 1	ice 3	ice 3	op c			
Sequence Sequence Sequence Sequence	Thenc	quenc	quenc	quenc	quenc	quen	quenq	quenq	quen	dnen	quen quen	quen	duen	quen	quen	equenc	equenc	Sequence	danen	danen	daen	adner	dner	agner	aquer aquer	aguer	equer	adner	edner	equer equer	Sequence	eque	edne	equence	equence
200000	Seg	S S S	S S	S S	S S	o o	Š	S S	S	Ω Ω O O	Ω Q Q	S C	ပိုင္သ	s s	လ လ	S S	S S S	တီ လို ဇ	မှ လူ လ	2000	ກິດຊິດ	ກິດເ	ສິດຊິດ	ກ ຜັ	യ് യ്	യ് യ്	ά	őő	ກັດດັດ	ຶນ ຜັ	ത് ത്	Ω Ω	ÖÖ	ກັດນັດ	ກັດນັດ
2703 14 0	61				92		175	527		æ		40	ا	Ç1 00		C)	& &	. iΩ ι	2	7.686	0) (	m	E	1512	<del></del>			w	_		37	- 01	18	0	8 129
1A-2 6-88 9A-3 6-2	6-96 1B-1	1-2	8-1 42-2	3C-2	6-77	9B-5	0-15	4-14 6-10	0-13	00-13 6A-1	39-5	35A-2	2-4-6 72-16	35A-2 35A-1	20-2	56A-2 71-2	27A-2	71-65 04A-6	15A-1 77-12	40-15 32-5	84-5 70A-	11A-8	53A- 86-1	16-9 16-1	97B-	98-2 08-2	98-4	97B-	64A- 83-1	16-1 $16-3$	15A-	22B-	251-	63C-	258-8 16-61
2-99 2-01 2-01 8-84	73-53 13-53	55-41	56-28 2-102	33-96 30-51	19-01	51-70	75-54 72-54	98-5 <u>5</u>	95-43	34-37	47-37	60-38	19-1	60-3 60-3	34-2	31-0 71-3	36-2 81-6	61-0	76-5 52-8	27-8	28-5 88-2	0-90	73-9	49-0	48-7	32-0	32-0	148-7	96-0	129-5	330-9	179-7	95-02	136-C	722-1264 95-04258 949-016-
39-25 39-94 38-15	9-94	38-29	08-76 -US9	36-80 08-98	9-60	100	00-00	9-60	08-7	09-3 09-5	9-80	200	09-90	09-5	08-9	09-5	10-1	08-3 08-4	08-4 08-6	6-60 6-80 6-80	08-8	10-0	0-60	9-60 9-60	-60	9-60-	9-60-	1-60	-08-	7-60- 7-60-	-08-6	100	I-08	7-60-	-08-7 -08-7 -09-9
US-09-252-991A-22703 US-09-949-016-8814 US-08-152-019A-30 US-08-468-846-2	as a	us-	US-	us-	SD -	នួន	SD -SD	us-	Sn	us-	-SU	sh sh	-sn	us-	s s	us-	us-	dS dS	ģģ	ġġ;	S S	Si di	is is	ns ns	S n	SD SI	SS	asn	as as	SD	SD	388	E PG	SD 1	E PC
4416	743	10	2 10	2 0	4 4	444	44	4 4	3	6 4	<b>S</b> 4	44.	44	4 4	0 m	4.0	4.4	<del>-1</del> м	ოო	4.0	(A 4)	44	מו פר	4.4	4. 4.	4. 1			.,,,,,			• • •			
192 252 273 380	8 8 H	4 4	4 4	44	46	110	23	24.0	4 4	414	6 6	115																							
	9.9.9	3.6	3.6	3.6	9.6	9.0	9.6	9.0	3.6	3.6 3.6	3.6	9.60	9.0 .0	9.9	3.6	3.6	3.6	3.6	3.6 3.6	3.6	3.6 3.6	3.6 3.6	3.6	3.6	9.9		9.0	9.6	3.6	9.6	1000	100	. e.	9.9	ພູດ
91.5	91.19	91.	91.	91.	91.	91.	<b>თ</b> თ	, 0, 0	אס	თთ	000	יסת	o o			90.	96.	96	9 6	866	0 6	0.0.	0.0.	0.0	0. 0										0000
053 053 054	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 6	50	22	4.1	99	67	000	2.5	72	74	76	77	90	81	833	. 8 8 7 8 8	87	990	91	93	96	97	660	10.0	03	104	106	801	110	112	113	115 116	117	120
0000	000	00	00	00	ō	30	22	101	25	200	125	100	25	101	22	125	122	22	ដូដ	22	ដដ	ää	22	7 7	H	4 # 7	-i i-i	HH	HH	H	4				444
	д <del>д</del> д										_				_	×.								-		-	•					_			<del></del>
opi oli oli		-					pli	pp]	pp1	l dd	pp]	pp]	pp1	1100	ilq	ppl	ppi ppii popi	1912 1913 1913	3, A hpp1	App	Appl	1070	3, A opli	9, A	0011	i i do	ppli	App1	Appl	ppli	App	Appl	Appl	Appl Appl	Appl
o, Appl o, Appl Appli Appli Appli	Appli 1	Appli 1	Appli 1	Appli	Appli	3, Appl	-	- 4.	4r A	000	ישיכ	۰.	4	: -: -	2, Appli	36, Appl	34, Appli 2, Appli 13, Appl	13, Appl 13, Appl	17358, A 28, Appl	2, Appli 108, App	21, Appl 5. Appli	5521070	11123, A 6. Appli	10169, A	4, Appli	4, Appli	4, Appli 15, Appl	18, Appl	20, Appl	2, Appli	8, Appli 381, App	19, Appl 19, Appl	19, Appl	19, Appl 20, Appl	19, Appl 15, Appl
0	Appli 1	Appli 1	Appli 1	Appli	Appli	3, Appl	-	- 4.	4r A	000	ישיכ	۰.	4	: -: -	nce 2, Appli nce 2, Appli	ince 36, Appl	nce 34, Appl nce 2, Appli nce 13, Appl	nce 13, Appl	nce 17358, A	nce 2, Appli	ince 21, Appl	No. 5521070	ince 11123, A	ince 10169, A	ince 4, Appli	ance 4, Appli ance 4, Appli	ance 4, Appli	ance 18, Appl	ance 20, Appl	ance 2, Appli	ence b, Appii ence 381, App	ence 19, Appl	ence 19, Appl	ence 19, Appl	ence 19, Appl ence 15, Appl
0	Appli 1	Appli 1	Appli 1	Appli	Appli	3, Appl	-	- 4.	4r A	000	ישיכ	۰.	4	: -: -	Sequence 2, Applia	Sequence 36, Appl	sequence 34, App. Sequence 2, Appli Sequence 13, Appli	Sequence 13, Appl	Sequence 1738, A	Sequence 2, Appli Sequence 108, App	Sequence 21, Appl	atent No 5521070	Sequence 11123, A	Sequence 10. FF.	Sequence 4, Appli	Sequence 4, Appli Sequence 4, Appli	Sequence 4, Appli Sequence 15, Appl	Sequence 18, Appl	Sequence 20, Appl	Sequence 2, Appli	sequence 6, Appli Sequence 381, App	Sequence 19, Appl Sequence 19, Appl	Sequence 19, Appl	Sequence 19, Appl Sequence 20, Appl	quence
0	Appli 1	Appli 1	Appli 1	Appli	Appli	3, Appl	-	- 4.	4r A	000	ישיכ	۰.	4	: -: -	Sequence 2, Applia Sequence 2, Applia	Sequence 36, Appl	Sequence 34, App.1 Sequence 2, Appli Semence 13, Appli	Sequence 13, Appl	Sequence 17358, A	Sequence 2, Appli Sequence 108, App	Sequence 21, Appl	Patent No. 5521070	Sequence 11123, A	Sequence 10159. A	Sequence 4, Appli	Sequence 4, Appli Sequence 4, Appli	Sequence 4, Appli Sequence 15, Appl	Sequence 18, Appl	Sequence 20, Appl	Sequence 2, Appli	sequence o, Appli Sequence 381, App	Sequence 19, Appl Sequence 19, Appl	Sequence 19, Appl	Sequence 19, Appl	equence
Sequence 10 Sequence 10 Sequence 6, Sequence 6,	Sequence 2, Appli Sequence 2, Appli Seminance 2, Appli	Sequence 2, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 13, Appl Sequence 5, Appli	Sequence 5,	Sequence 1,	Sequence 84	Sequence 88	Sequence 36	Sequence 20 Sequence 9,	Sequence 24	Sequence 2, Sequence 2,	Sequence	Sequence	Sequence	Sequence	Sequence Sequence	Seguence	Sequence	Patent No	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
Sequence 10 Sequence 10 Sequence 6, Sequence 6,	Sequence 2, Appli Sequence 2, Appli Seminance 2, Appli	Sequence 2, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 13, Appl Sequence 5, Appli	Sequence 5,	Sequence 1,	Sequence 84	Sequence 88	Sequence 36	Sequence 20 Sequence 9,	Sequence 24	Sequence 2, Sequence 2,	Sequence	Sequence	Sequence	Sequence	Sequence Sequence	Seguence	Sequence	Patent No	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
Sequence 10 Sequence 10 Sequence 6, Sequence 6,	Sequence 2, Appli Sequence 2, Appli Seminance 2, Appli	Sequence 2, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 13, Appl Sequence 5, Appli	Sequence 5,	Sequence 1,	Sequence 84	Sequence 88	Sequence 36	Sequence 20 Sequence 9,	Sequence 24	Sequence 2, Sequence 2,	Sequence	Sequence	Sequence	Sequence	Sequence Sequence	Seguence	Sequence	Patent No	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
Sequence 10 Sequence 10 Sequence 6, Sequence 6,	Sequence 2, Appli Sequence 2, Appli Seminance 2, Appli	Sequence 2, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 13, Appl Sequence 5, Appli	Sequence 5,	Sequence 1,	Sequence 84	Sequence 88	Sequence 36	Sequence 20 Sequence 9,	Sequence 24	Sequence 2, Sequence 2,	Sequence	Sequence	Sequence	Sequence	Sequence Sequence	Seguence	Sequence	Patent No	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
Sequence 10 Sequence 6, Sequence 6, Sequence 6,	Sequence 2, Appli Sequence 2, Appli Seminance 2, Appli	Sequence 2, Appli Sequence 6, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 13, Appl Sequence 5, Appli	Sequence 5,	Sequence 1,	Sequence 84	Sequence 88	Sequence 36	Sequence 20 Sequence 9,	Sequence 24	Sequence 2, Sequence 2,	Sequence	Sequence	Sequence	Sequence	Sequence Sequence	Seguence	Sequence	Patent No	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
3 US-08-482-6/7-10 Sequence 10 4 US-10-033-174-10 Sequence 10 1 US-07-668-648-6 Sequence 6, 2 US-08-429-998-6 Sequence 6, 2 US-08-431-333-6 Sequence 6,	3 US-08-991-862-2 Sequence 2, Appli 1 4 US-08-991-862-2 Sequence 2, Appli 1 5 US-08-9913-156-2 Sequence 2, Appli 1 5 US-08-991-862-2 Sequence 2, Appli 1	4 US-09-455-886-2 Sequence 2, Appli 1 4 US-09-455-886-2 Sequence 2, Appli 1 5 PCT-1891-07321-6 Sequence 6, Appli 1	1 US-08-296-0148-2 Sequence 2, Appli	2 US-08-320-403-2 Sequence 2, Appli	4 US-09-28/-368-2 Sequence 2, Appli	4 US-09-561-709B-13 Sequence 13, Appl 4 US-09-627-650B-5 Sequence 5, Appli	4 US-09-436-063C-5 Sequence 5,	4 US-09-381-261A-1 Sequence 1, 3 US-08-476-515A-84 Sequence 84	3 US-08-652-877-84 Sequence 84	3 US-08-632-877-88 Sequence 98	3 US-08-652-877-90 Sequence 36 1 US-08-274-661B-36 Sequence 36	3 US-08-543-246B-20 Sequence 20 3 US-08-543-246B-9 Sequence 9,	3 US-08-543-246B-24 Sequence 24	1 US-07-668-648-2 Sequence 2, 2 US-08-1998-2 Seq	2 US-08-431-333-2 Sequence 5 PCT-US31-2 Sequence 5 PCT-031-2	4 US-09-270-76/-429/5 Sequence 4 US-09-560-385A-36 Sequence	4 US-09-560-385A-34 Sequence 2 US-08-347-594A-2 Sequence 5 TF-08-347-594A-2 Sequence	3 US-09-131-04/-13 Sequence 3 US-09-540-245A-13 Sequence	4 US-09-252-991A-17358 Sequence 4 US-09-252-991A-17358 Sequence 	1 US-09-118-748-2 Sequence 4 US-09-118-748-2 Sequence 4 US-09-774-619-108 Sequence	3 US-09-171-057-120 Sequence 3 US-09-053-871A-21 Sequence	6 55210-133-307-3 6 55210-133-307-3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 US-09-949-016-11123 Sequence	4 US-09-949-016-10169 Sequence	1 US-08-296-014A-4 Sequence 2 US-08-596-405-4 Sequence	2 US-08-877-620-4 Sequence 4 US-09-287-368-4 Sequence	4 US-09-626-795-4 Sequence 1 US-08-340-539A-15 Sequence	1 US-08-340-539A-18 Sequence	2 US-00-120-20-20 Sequence 2 US-08-125-077-20 Sequence 2 US-08-125-077-30 Sequence 2 US-08-125-077-30 Sequence 2 US-08-20-20-20-20-20-20-20-20-20-20-20-20-20-	2 US-08-401-530A-2 2 US-08-709-662-2 Sequence	1 US-08-909-725-6 Sequence 4 US-09-312-283C-381 Sequence	4 US-09-635-872A-19 Sequence	4 US-09-636-060C-19 Sequence	4 US-U3-306-332-13 4 US-09-65-596C-19 Sequence 4 US-10-003-894-20 Sequence	4 US-10-306-686-19 Sequence 4 US-08-933-711B-15 Sequence
3 US-08-482-6/7-10 Sequence 10 4 US-10-033-174-10 Sequence 10 1 US-07-668-648-6 Sequence 6, 2 US-08-429-998-6 Sequence 6, 2 US-08-431-333-6 Sequence 6,	3 US-08-991-862-2 Sequence 2, Appli 1 4 US-08-991-862-2 Sequence 2, Appli 1 5 US-08-9913-156-2 Sequence 2, Appli 1 5 US-08-991-862-2 Sequence 2, Appli 1	4 US-09-455-886-2 Sequence 2, Appli 1 4 US-09-455-886-2 Sequence 2, Appli 1 5 PCT-1891-07321-6 Sequence 6, Appli 1	283 J VS-18-226-014A-2 Sequence 2, FE-	083 2 US-08-396-403-2 Sequence 2, Personal Sequence	083 4 US-09-28/-368-2 Sequence 2, Appli	342 4 US-09-561-709B-13 Sequence 13, Appl 917 4 US-09-627-650B-5 Sequence 5, Appli	917 4 US-09-436-063C-5 Sequence 5,	813 4 US-09-381-261A-1 Sequence 1, 654 3 US-08-476-515A-84 Sequence 84	655 3 US-08-652-877-84 Sequence 84	655 3 US-08-652-877-88 Sequence 98	655 3 US-08-652-8//-90 Sequence 36 120 1 US-08-274-661B-36 Sequence 36	3 US-08-543-246B-20 Sequence 20 3 US-08-543-246B-9 Sequence 9,	3 US-08-543-246B-24 Sequence 24	1 US-07-668-648-2 Sequence 2, 2 US-08-1998-2 Seq	2 US-08-431-333-2 Sequence 5 PCT-US31-2 Sequence 5 PCT-031-2	4 US-09-270-76/-429/5 Sequence 4 US-09-560-385A-36 Sequence	4 US-09-560-385A-34 Sequence 2 US-08-347-594A-2 Sequence 5 TF-08-347-594A-2 Sequence	3 US-09-131-04/-13 Sequence 3 US-09-540-245A-13 Sequence	4 US-09-252-991A-17358 Sequence 4 US-09-252-991A-17358 Sequence 	1 US-09-118-748-2 Sequence 4 US-09-118-748-2 Sequence 4 US-09-774-619-108 Sequence	3 US-09-171-057-120 Sequence 3 US-09-053-871A-21 Sequence	6 55210-133-307-3 6 55210-133-307-3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 US-09-949-016-11123 Sequence	4 US-09-949-016-10169 Sequence	1 US-08-296-014A-4 Sequence 2 US-08-596-405-4 Sequence	2 US-08-877-620-4 Sequence 4 US-09-287-368-4 Sequence	4 US-09-626-795-4 Sequence 1 US-08-340-539A-15 Sequence	1 US-08-340-539A-18 Sequence	2 US-00-120-20-20 Sequence 2 US-08-125-077-20 Sequence 2 US-08-125-077-30 Sequence 2 US-08-125-077-30 Sequence 2 US-08-20-20-20-20-20-20-20-20-20-20-20-20-20-	2 US-08-401-530A-2 2 US-08-709-662-2 Sequence	1 US-08-909-725-6 Sequence 4 US-09-312-283C-381 Sequence	4 US-09-635-872A-19 Sequence	4 US-09-636-060C-19 Sequence	4 US-U3-306-332-13 4 US-09-65-596C-19 Sequence 4 US-10-003-894-20 Sequence	4 US-10-306-686-19 Sequence 4 US-08-933-711B-15 Sequence
580 3 US-08-482-677-10 Sequence 10 589 1 US-08-688-6 Sequence 6, 589 2 US-08-431-333-6 Sequence 6, 589 2 US-08-431-333-6 Sequence 6,	589 3 US-08-991-862-2 Sequence 2, Appli 1 589 4 US-09-813-15-2 Sequence 2, Appli 1 590 4 US-09-862-3 Sequence 2, Appli 1	589 4 US-09-450-880-2 Sequence 2, APPA 1 589 4 US-084-647-2 Sequence 5, APPA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1083 1 US-08-216-216-21 Sequence 2, Appli	1083 2 US-08-596-405-2 Sequence 2, reference	1083 4 US-09-28/-368-2 Sequence 2, Appli	7 1342 4 US-09-561-709B-13 Sequence 13, Appl 7 1917 4 US-09-627-650B-5 Sequence 5, Appli	7 1917 4 US-09-436-063C-5 Sequence 5,	7 2813 4 US-09-381-261A-1 Sequence 1, 7 4654 3 US-08-476-515A-84 Sequence 84	7 4655 3 US-08-652-877-84 Sequence 84	7 4655 3 US-08-63-2-877-88 Sequence 88	7 4655 3 US-08-65Z-877-90 Sequence 30 7 120 1 US-08-274-661B-36 Sequence 36	7 134 3 US-08-543-246B-20 Sequence 20 7 216 3 US-08-543-246B-9 Sequence 9,	7 216 3 US-08-543-246B-24 Sequence 24	7 589 1 US-07-668-648-2 Sequence 2, 7 589 2 US-08-429-998-2 Sequence 2, 569 2 US-08-429-998-2 Sequence 2, 569	7 589 2 US-08-431-333-2 Sequence 7 589 5 PCT-US91-02351-2 Sequence	7 750 4 US-09-270-767-42975 Sequence 7 1171 4 US-09-560-385A-36 Sequence	7 1192 4 US-09-560-385A-34 sequence 7 2050 2 US-08-347-594A-2 sequence 	7 104 3 US-09-191-04/-13 Coffuence 10 3 US-09-540-245A-13 Sequence	7 104 3 US-09-2840-133-13 7 248 4 US-09-252-99148-17358 Sequence	/ 2/1 1 05-00-152-01-57-20 50-20-20-20-20-20-20-20-20-20-20-20-20-20	451 3 US-09-053-871A-21 Sequence	7 461 6 5521070-2 Patent No	7 451 6 32210/0-2 7 450 4 US-09-949-016-11123 Sequence	7 831 4 US-09-949-016-10169 Sequence	7 1019 1 US-08-296-014A-4 Sequence 7 1019 2 US-08-596-405-4 Sequence	7 1019 2 US-08-877-620-4 Sequence 7 1019 4 US-09-287-368-4 Sequence	7 1019 4 US-09-626-795-4 Sequence	6 119 1 US-08-340-5398-18 Sequence	6 169 2 US-08-125-077-20 Sequence	6 174 2 US-US-401-530A-2 Sequence 6 174 2 US-08-709-662-2 Sequence	6 175 1 US-08-909-725-6 Sequence 6 257 4 US-09-312-283C-381 Sequence	6 492 4 US-09-635-872A-19 Sequence	6 492 4 US-09-636-060C-19 Sequence	6 492 4 US-09-506-512 15 Concerned 6 492 4 US-09-6618-596C-19 Sequence 6 492 4 US-09-684-20 Sequence 6 492 4 US-08-4-20 Sequence 6 492 4 492 4 492 4 US-08-4-20 Sequence 6 492 4 492 4 US-08-4-20 Sequence 6 492 4 US-08-4-20 Sequ	6 492 4 US-10-306-686-19 Sequence 6 656 4 US-08-933-711B-15 Sequence
3.7 580 3 US-08-482-6/7-10 Sequence 10 3.7 580 4 US-10-033-174-10 Sequence 10 3.7 589 1 US-07-668-648-6 Sequence 6, 3.7 589 2 US-08-431-333-6 Sequence 6,	3.7 589 3 US-08-991-862-2 Sequence 2, Appli 1 3.7 589 4 US-09-913-15-6 Sequence 2, Appli 1 3.7 580 4 US-09-862-2 Sequence 2. Appli 1	3.7 589 4 US-09-4580-880-2 Sequence 2, AFF.1 3.7 589 4 US-084-647-2 Sequence 6, Appli 3.7 589 5 PCT-17-371-6 Sequence 6, Appli	3.7 1083 1 US-08-296-0148-2 Sequence 2, Tre-	3.7 1083 2 US-08-596-403-2 Sequence 2, Press	3.7 1083 4 US-U9-28/-368-2 Sequence 2, Appli	3.7 1342 4 US-09-561-709B-13 Sequence 13, Appl 3.7 1917 4 US-09-627-650B-5 Sequence 5, Appli	3.7 1917 4 US-09-436-063C-5 Sequence 5,	3.7 2813 4 US-09-381-261A-1 Sequence 1, 3.7 4654 3 US-08-476-515A-84 Sequence 84	3.7 4655 3 US-08-652-877-84 Sequence 84	3.7 4655 3 US-08-622-877-88 Sequence 8	3.7 4655 3 US-08-652-8/7-90 Sequence 36 3.7 120 1 US-08-274-661B-36 Sequence 36	3.7 134 3 US-08-543-246B-20 Sequence 20	3.7 216 3 US-08-543-246B-24 Sequence 24	3.7 589 1 US-07-668-648-2 Sequence 2, 3.7 589 2 US-08-429-998-2 Sequence 2,	3.7 589 2 US-08-431-333-2 Sequence 3.7 589 5 PCT-US1-02321-2 Sequence	3.7 750 4 US-09-270-76/-429/5 Sequence 3.7 1171 4 US-09-560-385A-36 Sequence	3.7 1192 4 US-09-560-385A-34 Sequence 3.7 2050 2 US-08-347-54A-2 Sequence 3.7 2050 2 US-08-347-54A-13 Seminance	3.7 104 3 US-09-191-047-15 Cognesses 3 7 104 3 US-09-191-0458-13 Sequence 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.7 104 3 US-03-03-01-13-13 Cognition 3 3.7 248 4 US-03-025-991A-17358 Sequence	3.7 2/1 1 US-08-128-0158-20 Cognomos 3.7 415 4 US-09-118-748-2 Sequence 3 7 415 4 US-09-774-108 Sequence	3.7 461 3 US-09-053-871A-21 Sequence	3.7 461 6 552107.2 Patent No	3.7 480 4 US-09-949-016-11123 Sequence	3.7 /69 I US-08-431-455-6 3.7 831 4 US-09-949-016-10169 Sequence	3.7 1019 1 US-08-296-014A-4 Sequence 3.7 1019 2 US-08-596-405-4 Sequence	3.7 1019 2 US-08-877-620-4 Sequence 3.7 1019 4 US-09-287-368-4 Sequence	3.7 1019 4 US-09-626-795-4 Sequence	3.6 119 1 US-08-340-539A-18 Sequence	3.6 169 2 US-08-125-077-20 Sequence	3.6 174 2 US-08-401-530A-z Sequence 3.6 174 2 US-08-709-662-2 Sequence	3.6 175 1 US-08-909-725-6 Sequence 3.6 257 4 US-09-312-283C-381 Sequence	3.6 492 4 US-09-635-872A-19 Sequence	3.6 492 4 US-09-636-0602-19 Sequence	3.6 492 4 US-03-508-302 12 Concession 3.6 492 4 US-09-636-596C-19 Sequence 3.6 492 4 US-10-073-894-20	3.6 656 4 US-08-933-711B-15 Sequence
3.7 580 3 US-08-482-677-10 Sequence 10 3.7 580 4 US-10-033-174-10 Sequence 10 3.7 589 1 US-07-668-648-6 Sequence 6, 3.7 589 2 US-08-431-333-6 Sequence 6,	3.7 589 3 US-08-991-862-2 Sequence 2, Appli 1 3.7 589 4 US-09-913-15-6 Sequence 2, Appli 1 3.7 580 4 US-09-862-2 Sequence 2. Appli 1	3.7 589 4 US-09-4580-880-2 Sequence 2, AFF.1 3.7 589 4 US-084-647-2 Sequence 6, Appli 3.7 589 5 PCT-17-371-6 Sequence 6, Appli	3.7 1083 1 US-08-296-0148-2 Sequence 2, Tre-	3.7 1083 2 US-08-596-403-2 Sequence 2, Press	3.7 1083 4 US-U9-28/-368-2 Sequence 2, Appli	3.7 1342 4 US-09-561-709B-13 Sequence 13, Appl 3.7 1917 4 US-09-627-650B-5 Sequence 5, Appli	3.7 1917 4 US-09-436-063C-5 Sequence 5,	3.7 2813 4 US-09-381-261A-1 Sequence 1, 3.7 4654 3 US-08-476-515A-84 Sequence 84	3.7 4655 3 US-08-652-877-84 Sequence 84	3.7 4655 3 US-08-622-877-88 Sequence 8	3.7 4655 3 US-08-652-8/7-90 Sequence 36 3.7 120 1 US-08-274-661B-36 Sequence 36	3.7 134 3 US-08-543-246B-20 Sequence 20	3.7 216 3 US-08-543-246B-24 Sequence 24	3.7 589 1 US-07-668-648-2 Sequence 2, 3.7 589 2 US-08-429-998-2 Sequence 2,	3.7 589 2 US-08-431-333-2 Sequence 3.7 589 5 PCT-US1-02321-2 Sequence	3.7 750 4 US-09-270-76/-429/5 Sequence 3.7 1171 4 US-09-560-385A-36 Sequence	3.7 1192 4 US-09-560-385A-34 Sequence 3.7 2050 2 US-08-347-54A-2 Sequence 3.7 2050 2 US-08-347-54A-13 Seminance	3.7 104 3 US-09-191-047-15 Cognesses 3 7 104 3 US-09-191-0458-13 Sequence 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.7 104 3 US-03-03-01-13-13 Cognition 3 3.7 248 4 US-03-025-991A-17358 Sequence	3.7 2/1 1 US-08-128-0158-20 Cognomos 3.7 415 4 US-09-118-748-2 Sequence 3 7 415 4 US-09-774-108 Sequence	3.7 461 3 US-09-053-871A-21 Sequence	3.7 461 6 552107.2 Patent No	3.7 480 4 US-09-949-016-11123 Sequence	3.7 /69 I US-08-431-455-6 3.7 831 4 US-09-949-016-10169 Sequence	3.7 1019 1 US-08-296-014A-4 Sequence 3.7 1019 2 US-08-596-405-4 Sequence	3.7 1019 2 US-08-877-620-4 Sequence 3.7 1019 4 US-09-287-368-4 Sequence	3.7 1019 4 US-09-626-795-4 Sequence	3.6 119 1 US-08-340-539A-18 Sequence	3.6 169 2 US-08-125-077-20 Sequence	3.6 174 2 US-08-401-530A-z Sequence 3.6 174 2 US-08-709-662-2 Sequence	3.6 175 1 US-08-909-725-6 Sequence 3.6 257 4 US-09-312-283C-381 Sequence	3.6 492 4 US-09-635-872A-19 Sequence	3.6 492 4 US-09-636-0602-19 Sequence	3.6 492 4 US-03-508-302 12 Concession 3.6 492 4 US-09-636-596C-19 Sequence 3.6 492 4 US-10-073-894-20	3.6 656 4 US-08-933-711B-15 Sequence
20	93.5 3.7 589 4 US-09-91-862-2 Sequence 2, Appli 1 93.5 3.7 589 4 US-09-813-156-2 Sequence 2, Appli 1 93.5 3.7 589 4 US-09-813-156-2 Sequence 2, Appli 1	93.5 3.7 589 4 US-09-456-886-2 Sequence 2, AFF-1 93.5 3.7 589 4 US-09-456-886-2 Sequence 5, Appli 6.5 5 7 589 5 PCT-1591-07321-6 Sequence 6, Appli	93.5 3.7 1083 1 US-08-21-0 Sequence 2 Applia	93.5 3.7 1083 2 US-08-250-2 Sequence 2, reference 293.5 3.7 1083 2 US-08-250-2 Sequence 2, Appli	93.5 3.7 1083 4 US-U9-28/-308-2 Sequence 2, Appli	93.5 3.7 1342 4 US-09-561-709B-13 Sequence 13, Appl	93.5 3.7 1917 4 US-09-436-063C-5 Sequence 5,	93.5 3.7 2813 4 US-09-381-261A-1 Sequence 1, 93.5 3.7 4654 3 US-08-476-515A-84 Sequence 84	93.5 3.7 4655 3 US-08-652-877-84 Sequence 84	93.5 3.7 4655 3 US-08-652-977-88 Sequence 88	93.5 3.7 4655 3 US-08-652-877-90 Sequence 30 93 3.7 120 1 US-08-274-661B-36 Sequence 36	93 3.7 134 3 US-08-543-246B-20 Sequence 20	93 3.7 216 3 US-08-543-246B-24 Sequence 24	93 3.7 589 1 US-07-668-648-2 Sequence 2, 93 3.7 589 2 US-08-429-998-2 Sequence 2,	93 3.7 589 2 US-08-431-533-2 Sequence 93 3.7 589 5 PCT-0891-02321-2 Sequence	93 3.7 750 4 US-09-270-76,-42975 Sequence 93 3.7 1171 4 US-09-560-385A-36 Sequence	93 3.7 1192 4 US-09-560-385A-34 Sequence 93 3.7 2050 2 US-08-347-594A-2 Sequence	92.5 3.7 104 3 US-09-191-047-13 Sequence 92.5 3.7 104 3 US-09-540-245A-13 Sequence 92.5 3.7 104 3 US-08-640-151-13 Sequence	92.5 3.7 104 3 US-03-340-13-13 Sequence 92.5 3.7 248 4 US-09-252-991A-17358 Sequence 92.5 3.7 248 4 US-09-252-991A-17358 Sequence	92.5 3.7 415 4 US-09-118-741-7 Sequence	92.5 3.7 461 3 US-09-053-8178-21 Sequence	92.5 3.7 461 6 552101.23-307-3 Codamic No. 2007.23 Patent No. 2007.23	92.5 3.7 480 4 53210/0-2 Sequence Sequence Control of the Control	92.5 3.7 769 I US-08-454-455-8 Sequence 92.5 3.7 831 4 US-09-949-016-10169 Sequence	92.5 3.7 1019 1 US-08-296-014A-4 Sequence 92.5 3.7 1019 2 US-08-596-405-4 Sequence	92.5 3.7 1019 2 US-08-877-620-4 Sequence 62.5 3.7 1019 4 US-09-287-368-4 Sequence	92.5 3.7 1019 4 US-09-626-795-4 Sequence	92 3.6 119 1 US-08-340-539A-18 Sequence	92 3.6 169 2 US-00-1807-20 Sequence 92 3.6 169 2 US-00-00-00-00-00-00-00-00-00-00-00-00-00	92 3.6 174 2 US-08-401-530A-2 Sequence 92 3.6 174 2 US-08-709-662-2 Sequence	92 3.6 175 1 US-08-909-725-6 Sequence 92 3.6 257 4 US-09-312-283C-381 Sequence	92 3.6 492 4 US-09-635-872A-19 Sequence	92 3.6 492 4 US-09-636-060C-19 Sequence	92 3.6 492 4 US-09-3900-352 15 Contents 92 3.6 492 4 US-09-636-596C-19 Sequence	92 3.6 492 4 US-10-306-686-19 Sequence 92 3.6 656 4 US-08-933-711B-15 Sequence

nnce 6, Ap nnce 18, A nnce 6, Ap nnce 5, Ap nnce 5, Ap nnce 3, Ap nnce 3, Ap	nnce 148 nnce 148 nnce 148 nnce 148	nnce 148, nnce 26217 nnce 30, A nnce 9, Ap nnce 20, A		20 20 20 20 20 20 20 20 20 20 20 20 20 2		, w , w , oo o
-596C-6 -894-18 -686-6 -982-5 -902A-5 -268-9 -443-3 -650B-3 -063C-3	-125A-1 -775A-1 -700-14 -603A-1 -920A-1	US-09-906-618-148 US-09-252-91A-26217 US-10-136-227A-30 US-09-981-649A-30 US-09-627-650B-9 US-09-436-063C-9 US-08-468-347-20 US-08-256-264-24	US-08-779-379-20 US-08-469-219-20 US-09-28-152-19 US-09-040-483-1 US-08-740-036-1 US-08-152-077-13 US-08-152-019A-29 US-08-152-019A-29	US-09-161-241- US-09-252-91A 5177197-1 US-08-252-493C US-09-276-197- US-09-249-697A US-09-363-316B US-10-136-227A US-09-981-649A 5208144-37	US-08-162-809-18 US-09-949-016-82 US-08-12-809-18 US-08-127-499A-8 US-08-494-016-59 S177197-30 US-09-402-929-25 US-09-402-923A-2	US-09-060-299-4 US-09-060-299-43 US-09-060-299-43 US-09-060-293A-4 US-09-060-299-3 US-09-060-299-3 US-09-060-299-3 US-09-060-299-29 US-09-060-293A-29 US-09-060-293A-29 US-09-060-293A-29 US-09-060-293A-29 US-09-060-293A-29 US-09-060-293A-29 US-09-949-016-10303 US-09-949-016-10303 US-09-949-016-10303 US-09-949-016-10303
515 4 4 515 4 8 8 9 8 3 8 9 2 1 4 9 5 6 2 5 4 4 4 2 5 4 4 4 4 4 4 4 4 4 4 4 4 4	4444444	2601 2554 2601 2601 1119 119	221119 22 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25			10000000000000000000000000000000000000
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	च. च. च. च. च. च. च. च. च.	. વિવાય પ્યાય વિવાય	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	י מי	, , , , , , , , , , , , , , , , , , ,
87 87 87 87 87 87 87 86.5	888888 6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	99999	, , , , , , , , , , , , , , , , , , ,			
1199 1199 1199 1200 1200 1203 1203		114 117 118 119		1231 1233 1234 1234 1235 1237 1240 1240	. 4 4 4 4 4 4 A D D D D D	
Sequence 10299, A Sequence 11264, A Sequence 11266, A Sequence 11266, A Sequence 11267, A Sequence 16, Appl Sequence 1152, A Sequence 336, App	17777	C C C C C C C C C C C C C C C C C C C	8022222	111111111111111111111111111111111111111	Sequence 1, Appliance 1, Appliance 1, Appliance 2, Appliance 2, Appliance 2, Appliance 29, Appliance 29, Appliance 29, Appliance 29, Appliance 29, Appliance 29, Appliance 27, Appliance 37, Appliance	Sequence 4, Appliagequence 2, Appliagequence 2, Appliagequence 30, Appliagequence 31, Appliagequence 27, Appliagequence 27, Appliagequence 5907, Appliagequence 9075, Appliagequence 6, Appliage
Sequence 10 Sequence 11 Sequence 11 Sequence 11 Sequence 16 Sequence 16 Sequence 13 Sequence 33	Sequence 2, Sequence 2, Sequence 15 Sequence 17 Sequence 17 Sequence 17 Sequence 17 Sequence 17	Sequence 17 Sequence 63 Sequence 63 Sequence 4, Sequence 4, Sequence 4,	Patent No. 5 Sequence 2, Sequence 2, Sequence 2, Sequence 2, Sequence 2, Sequence 5, Seque	Sequence 18 Sequence 2.0 Sequence 2.0 Sequence 116 Sequence 116 Sequence 10 Sequence 10 Sequence 10 Sequence 10	Sequence 1, Sequence 2, Sequence 2, Sequence 2, Sequence 2, Sequence 29 Sequence 18 Sequence 17 Sequence 2, Sequen	442842424
4 US-09-949-016-10299 Sequence 10 4 US-09-949-016-11264 Sequence 11 4 US-09-949-016-11265 Sequence 11 4 US-09-949-016-11267 Sequence 11 4 US-09-949-016-11267 Sequence 11 4 US-09-949-016-6910 Sequence 16 4 US-09-949-016-6910 Sequence 16 4 US-09-949-016-1522 Sequence 13 3 US-09-188-230-336 Sequence 33 4 US-09-918-283C-336 Sequence 33	3 US-08-997-897-2 Sequence 2, 3 US-09-156-88682 Sequence 2, 4 US-09-248-796A-15283 Sequence 17, 2 US-08-023-610-17 Sequence 17, 2 US-08-288-065A-17 Sequence 17, 2 US	5 VCY-08-325-10145.17 Sequence 17 1 US-08-461-004A-63 Sequence 63 3 US-08-461-004A-63 Sequence 63 4 US-09-589-892B-2 Sequence 2, 1 US-07-978-895-4 Sequence 4, 2 US-08-473-119-4 Sequence 4, 4 US-09-110-699-4 Sequence 4, 6 US-08-473-119-699-4 Sequence 4,	5 5183884-4 Parent No. 5 6 5183884-4 Parent No. 5 6 9 9 9 9 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	4 US-09-054-272-18 Sequence 18 4 US-08-313-288B-20 Sequence 2, 4 US-08-812-488-2 Sequence 2, 2 US-08-460-309-16 Sequence 1, 4 US-08-125-07-16 Sequence 16 4 US-09-205-258-116 Sequence 11 4 US-09-914-259-34 Sequence 10 2 US-08-48-810-255-10 Sequence 10 2 US-08-784-358-12 Sequence 12 4 US-09-784-358-12 Sequence 12 4 US-09-784-358-12 Sequence 12	4 US-09-627-650B-1 4 US-09-436-063C-1 5 US-09-436-063C-1 6 US-09-584-139A-2 6 US-09-554-119A-2 7 US-09-521-976-4812 8 US-09-621-976-4812 8 US-08-68-925C-29 8 US-08-68-9235C-29 8 US-08-188-930-186 9 US-08-644-460-37 1 US-08-644-460-37 2 US-08-644-460-37 8 US-08-644-460-37	2 US-08-484-438-4 2 US-08-484-438-4 2 US-08-484-438-2 2 US-08-484-21-30 2 US-08-644-271-30 2 US-09-077-955-34 3 US-09-198-603C-2 4 US-09-949-016-5907 4 US-09-949-016-5907 5 Sequence 27, 5 Sequence 27, 6 US-09-949-016-5907 6 US-09-949-016-5907 7 US-09-949-016-5907 7 US-09-949-016-5907 8 US-09-635-872A-6 8 US-09-635-872A-6 8 US-09-635-872A-6 8 US-09-636-077A-6 8 US-09-636-077A-6 8 Sequence 6, 8 US-09-636-077A-6
205 4 US-09-949-016-10299 Sequence 10 5 575 4 US-09-949-016-11264 Sequence 11 5 575 4 US-09-949-016-11265 Sequence 11 5 575 4 US-09-949-016-11265 Sequence 11 5 575 4 US-09-949-016-11267 Sequence 11 5 576 4 US-09-949-016-11267 Sequence 11 5 1036 4 US-09-949-016-6910 Sequence 16 5 1049 4 US-09-949-016-6910 Sequence 16 5 1049 4 US-09-949-016-6910 Sequence 11 5 274 3 US-09-949-016-6910 Sequence 13 5 274 4 US-09-312-283C-336 Sequence 33	.5 430 3 US-08-997-897-2 .5 430 3 US-09-156-818-2 .5 430 3 US-09-248-796A-15283 .5 615 2 US-08-66-566A-17 .5 615 2 US-08-08-17 .5 615 2 US-08-055A-17 .6 615 2 US-08-162-218 .7 615 2 US-08-162-218 .8 615 2 US-08-162-218 .8 615 2 US-08-162-218 .8 615 2 US-08-162-218 .8 615 2 US-08-162-218	5 650 1 US-08-1245-17 Sequence 17.5 650 1 US-08-925-10145-17 Sequence 63.5 650 3 US-08-461-004A-63 Sequence 63.5 1342 1 US-07-978-895-4 Sequence 2,5 1342 2 US-08-473-119-4 Sequence 4,5 1342 2 US-08-475-352-4 Sequence 4,5 1342 4 US-09-170-699-4 Sequence 4,5 1343 6 138284-4 Darant No. 6, 1343 6 134284-4 Dar	1343 6 5183884-4  5 1360 4 US-09-949-016-8022  5 2813 3 US-08-986-498-2  5 2813 3 US-09-132-652-2  5 2813 4 US-09-186-9008-2  5 2813 4 US-09-662-478C-2  5 2813 4 US-09-662-478C-2  5 132 1 US-07-893-9288-5  5 132 1 US-07-893-9288-5  5 302 4 US-09-520-781-20  Sequence 5,	.5 356 4 US-09-054-272-18 Sequence 18 .5 1170 1 US-08-313-288B-20 Sequence 25 125 4 US-08-812-916 Sequence 25 243 2 US-08-460-309-16 Sequence 16 .5 243 2 US-08-125-077-16 Sequence 16 .5 292 4 US-09-205-258-116 Sequence 16 .5 452 4 US-09-914-259-34 Sequence 17 .5 480 2 US-08-480-2259-10 Sequence 10 .5 480 2 US-08-480-2255-10 Sequence 10 .5 480 2 US-09-784-358-12 Sequence 14 .5 845 4 US-09-784-358-12 Sequence 12 .5 845 4 US-09-784-358-12 Sequence 12 .5 845 4 US-09-784-358-12 Sequence 12	5 1652 4 US-09-627-6508-1 5 1652 4 US-09-436-063C-1 5 1691 4 US-09-784-21 5 80 4 US-09-554-119A-2 5 122 4 US-09-621-976-4812 5 221 2 US-09-621-976-4812 5 221 2 US-08-689-229C-29 5 221 2 US-08-689-236C-29 5 221 2 US-08-689-236C-29 5 221 2 US-08-689-136C-29 5 221 2 US-08-689-136C-29 5 221 2 US-08-689-136C-29 5 337 3 US-09-188-930-186 5 454 1 US-08-644-460-37 5 711 2 US-08-644-460-37 5 991 2 US-08-648-438-10 5 Sequence 37	1005 2 US-08-484-430. 5 1058 2 US-08-484-438-4 Sequence 10. 5 1030 2 US-08-484-438-4 Sequence 2. 5 1040 2 US-08-484-438-2 Sequence 2. 5 1040 4 US-09-077-955-34 Sequence 3.0 5 1040 4 US-09-600-912-27 Sequence 2.4 5 248 4 US-09-600-912-27 Sequence 2.4 5 248 4 US-09-499-016-5907 Sequence 5.9 6 4 105-09-144-253-36 Sequence 9.0 6 4 481 4 US-09-949-016-975 Sequence 9.0 6 4 481 4 US-09-636-077A-6 Sequence 6. 7 515 4 US-09-636-077A-6 Sequence 6. 7 515 4 US-09-636-077A-6 Sequence 6. 8 515 4 US-09-636-077A-6 Sequence 6.
3.5 205 4 US-09-949-016-10299 Sequence 10 3.5 575 4 US-09-949-016-11264 Sequence 11 3.5 575 4 US-09-949-016-11265 Sequence 11 3.5 575 4 US-09-949-016-11265 Sequence 11 3.5 575 4 US-09-949-016-11267 Sequence 11 3.5 575 4 US-09-949-016-11267 Sequence 11 3.5 1036 4 US-09-949-016-6910 Sequence 16 3.5 1049 4 US-09-949-016-6910 Sequence 16 3.5 1049 4 US-09-949-016-11522 Sequence 11 3.5 274 3 US-09-18-230-336 Sequence 33 3.5 274 4 US-09-312-283C-336 Sequence 33	3.5 430 3 US-08-997-897-2 3.5 430 3 US-08-156-8368-2 3.5 574 4 US-09-248-7968-15283 3.5 615 2 US-08-663-5668-17 3.5 615 2 US-08-023-610-17 3.5 615 2 US-08-38-658-17	3.5 650 3 US-08-352-10245-17 Sequence 17 3 5 650 3 US-08-461-004A-63 Sequence 63 3.5 650 3 US-08-461-004A-63 Sequence 63 3.5 746 4 US-09-589-892B-2 Sequence 2, 3.5 1342 2 US-08-473-119-4 Sequence 4, 3.5 1342 2 US-08-473-119-4 Sequence 4, 3.5 1342 2 US-08-475-352-4 Sequence 4, 3.5 1342 4 US-09-4170-699-4 Sequence 4, 3.5 1343 6 US-08-475-354-4 Darent No. 5, 1343 6 US-08-476-170-699-4 Sequence 4, 3.5 1342 6 US-08-476-180-180-180-180-180-180-180-180-180-180	3.5 1343 6 518384-4 3.5 1346 4 US-09-949-016-8022 3.5 2813 3 US-08-986-499A-2 3.5 2813 4 US-09-132-652-2 3.5 2813 4 US-09-886-900A-2 3.5 2813 4 US-09-662-4786-2 3.5 132 1 US-09-662-4786-2 3.5 132 1 US-09-652-10344-5 3.5 132 1 US-09-520-781-20 3.5 132 4 US-09-520-781-20	8.5 3.5 356 4 US-09-054-272-18 Sequence 18 8.5 1.70 1 US-08-313-28BB-20 Sequence 2.0 8.3 5 1.70 1 US-08-313-28BB-20 Sequence 2.0 8 3.5 243 2 US-08-460-309-16 Sequence 2.0 8 3.5 243 2 US-08-460-309-16 Sequence 1.0 8 3.5 243 2 US-08-460-309-16 Sequence 1.0 8 3.5 452 4 US-09-205-258-11.6 Sequence 1.0 8 3.5 462 4 US-09-914-259-34 Sequence 1.0 8 3.5 480 2 US-08-484-358-1.1 Sequence 1.0 8 3.5 771 4 US-09-784-358-1.4 Sequence 1.0 8 3.5 471 4 US-09-784-358-1.	3.5 1652 4 US-09-627-6508-1 3.5 1652 4 US-09-435-063C-1 3.5 1691 4 US-09-435-063C-1 3.5 180 4 US-09-554-119A-2 3.5 122 4 US-09-554-119A-2 3.5 122 4 US-09-671-976-4812 3.5 221 2 US-08-681-997-29 3.5 221 2 US-08-689-229C-29 3.5 221 2 US-08-689-216C-39 3.5 221 2 US-08-689-216C-39 3.5 337 3 US-09-188-930-186 3.6 454 1 US-08-644-460-37 3.7 77 4 US-09-644-460-37 3.5 911 2 US-08-484-4818-10	7.5 3.5 1009 2 US-08-484-438-4 Sequence 10.7 5 3.5 1058 2 US-08-484-438-4 Sequence 2.7 5 3.5 1058 2 US-08-484-438-2 Sequence 2.7 5 3.5 1058 2 US-08-484-438-2 Sequence 2.7 5 3.5 1040 2 US-08-484-438-2 Sequence 2.7 5 3.5 1040 2 US-08-644-271-30 Sequence 2.7 5 3.5 1040 2 US-08-09-09-09-09-09-09-09-09-09-09-09-09-09-

Sequence 24, Appl Sequence 6, Appli Sequence 1359, Ap Sequence 24, Appl Sequence 20, Appl	Sequence 10, Appli Sequence 7, Appli	Sequence 315, App	Sequence 315, App Sequence 315, App	Sequence 315, App	Sequence 315, App Sequence 315, App	Sequence 315, App	Sequence 315, App Sequence 46765, A	Sequence 67, Appl	Sequence 67, Appl	Sequence 10271, A	Sequence 3, Appli	Sequence 3, Appli Sequence 3, Appli	Sequence 3, Appli	Sequence 18, Appr Sequence 17, Appl	Sequence 18, Appl	Sequence 41//0, A Sequence 2, Appli	Sequence 10311, A	Seguence 21, Appl	Sequence 18, Appl	Sequence 18, Appl Sequence 15636, A	Sequence 11112, A	Sequence 2, Appli	Sequence 23, Appl Sequence 22, Appl	Sequence 3, Appli	Sequence 3, Appl																		ብነ ብነ	ence
US-08-600-982-24 US-09-560-385A-6 US-09-538-092-1359 PCT-US94-10261A-24 IIS-08-278-089A-20	US-09-553-769-10 US-08-312-870-7	US-09-907-794A-315 US-09-905-125A-315	US-09-902-775A-315	US-09-903-603A-315	US-09-904-920A-315	US-09-905-381A-315	US-09-906-618-315	US-09-275-737 2002	US-08-461-004A-67	US-09-110-133-1 US-09-949-016-10271	PCT-US95-03747-3	US-08-801-263A-3 US-09-102-248-3	US-09-367-764-3	US-08-278-089A-18	US-08-838-33/A-17 US-09-531-056A-18	US-09-270-767-41770	US-US-US4-918-2 US-09-949-016-10311	US-08-665-259-21	US-U8-/62-300-21 US-09-725-735A-18	US-09-206-551-18	US-09-949-016-11112	US-08-093-453B-3 US-09-657-472-2	US-08-278-089A-23	US-08-465-794-3	US-09-049-813-3 US-08-274-661B-39	US-08-340-539A-17	US-08-709-662-5	US-09-227-853A-13	US-09-049-813-18	US-08-663-191A-4	US-08-154-198-5	US-08-463-335-5	US-08-464-023A-3 US-08-738-462-2	; PCT-US94-07587-2	US-08-450-462B-109	US-08-660-963-12	US-09-813-819-4	US-10-014-501-4	1 US-09-813-819-2	1 US-10-014-501-2	2 US-08-484-438-9	1 US-09-544-398B-4	1 US-09-543-771B-3	4 US-09-543-7715-4 4 US-09-902-540-12593
1713 3 1 1713 4 1 1713 4 1									· ~ ·		10	$\sim$	. 4		7 T	400	ט סט	ירחי	., J	~ ~	4. 4.	$\neg$																						
														_	_ ~	_			m ~		<b>~</b> ~	e c	. m	<b>n</b> m	т.		m m		<b>n</b> m	m	<b>~</b> ~	m	m m	е (	m m	m	m w	n m	m c		m i	יי יי	m r	ה ה
. 4. 4. 4. 1																																						80 80 83 83						
1344 1344 1345 1346 8 8 8	347 348 349	0.10	1 (2)	m 4	· ທ	92	58	359	361	162	64	65																																
4 # # # #	ਜਜਜ	133	135	135	135	13	12	HF	44	13	13	13	H F	i	-			-i i-i		1																								
Sequence 2, Appli Sequence 4, Appli Sequence 5, Appli Sequence 3, Appli Sequence 3, Appli	0537, A 89, App Appli	Appli	4, Appl 5730, A	Appli	0, Appi 0, Appi	, Appli	.3, Appi .3, Appl	.3, Appl	11, Appl	12243, A	Appli	3, Appli	1, Appli	1, Appli 14, Appl	13, Appl	11, Appi 2, Appli	1, Appli	19, Appl 24. Appl	24, Appl	24, Appl 32, Appl	32, Appl	1, Appli	11332, A 4, Appli	19, Appl	Sequence 20003, A Sequence 7, Appli	Sequence 7, Appli Sequence 7, Appli	Sequence 7, Appli	Sequence 12, Appl Sequence 24568, A	Sequence 23091, A	Sequence 15, Appl	36214, A	51431, A 20649, A	1, Appli	2, Appii 2. Appli	2, Appli	5258288	Sequence 4, Appli		3, Appli	3, Appli	3. Appli	3, Appli	: 1, Appli	
JS-08-464-637-2 Sequence 2, Appli JS-08-401-530A-4 Sequence 4, Appli JS-08-109-662-4 Sequence 4, Appli JS-08-922-261-3 Sequence 3, Appli IS-09-226-852-3 Sequence 3, Appli	US-09-949-016-10537 Sequence 10537, A 195-09-949-016-10537 Sequence 10537, A 196-09-112-2830-189 Sequence 39, App	US-08-482-677-2 Sequence 2, Appli US-10-033-174-2 Sequence 2, Appli	US-09-724-864-54 Sequence 54, Appl	US-09-751-389-7 Sequence 7, Appli	US-08-449-645A-30 Sequence 30, Appl	US-09-751-389-8 Sequence 8, Appli	US-08-449-645A-13 Sequence 13, Appl	PCT-US95-04681-13 Sequence 13, Appl	US-09-627-650B-11 Sequence 11, Appl	US-09-902-540-12243 Sequence 12243, A	PCT-US95-02251-3 Sequence 3, Appli	US-08-199-780-3 Sequence 3, Appli	US-08-479-722B-4 Sequence 4, Appli	US-09-592-685-4 Sequence 4, Appli 115-09-579-063-14 Sequence 14, Appl	US-09-578-063-13 Sequence 13, Appl	US-09-578-063-11 Sequence 11, APP1	US-09-390-393A-1 Sequence 1, Appli	US-09-249-697A-19 Sequence 19, Appl	US-10-136-227A-24 Sequence 24, Appl	US-09-981-649A-24 Sequence 24, Appl TR-10-116-227A-32 Sequence 32, Appl	US-09-981-649A-32 Sequence 32, Appl	US-09-949-016-8175 Sequence 01/3, Ap US-10-009-332-1 Sequence 1, Appli	US-09-949-016-11332 Sequence 11332, A	US-08-838-957A-19 Sequence 19, Appl	US-09-252-991A-28869 Sequenci US-08-441-629-7 Sequenci	US-08-776-207-7 Sequence	PCT-US95-09172-7 Sequenc	US-09-127-946-12 Sequenc	US-09-252-991A-23091 Sequenc	US-08-525-940-15 sequenc	US-09-270-767-36214 Sequence 36214, A	US-09-270-767-51431 Sequence 51431, A	US-07-202-3010 Sequence 1, Appli	US-07-985-691-2 Sequence 2, Appli	US-08-267-387-2 Sequence 2, Appli US-08-267-387-2 Sequence 2, Appli	5258288-4 Patent No. 5258288	5258288-4 US-08-282-141-4 Sequence 4, Appli	US-08-435-131 Sequence 3, Appli	US-08-435-436-3 Sequence 3, Appli Hg-08-438-863-3 Sequence 3, Appli	US-08-438-864-3 Sequence 3, Appli	US-08-438-862-3 Sequence 3, Appli mm As-620-747-3 Semience 3, Appli	US-08-402-253-3 Sequence 3, Applia	US-08-443-866B-3 Sequence 3, Appli TR-09-589-892B-11 Sequence 11, Appl	US-09-589-892B-11 Sequence 17, Appl US-07-956-483-17 Sequence 17, Appl
US-08-464-637-2 Sequence 2, Appli US-08-401-530A-4 Sequence 4, Appli US-08-709-662-4 Sequence 4, Appli US-08-822-261-3 Sequence 3, Appli US-09-226-852-3 Sequence 3, Appli	US-09-949-016-10537 Sequence 10537, A Sequence 10537, A Sequence 10537, A Sequence 105.09-112-236-1389 Sequence 2 Annii	US-08-482-677-2 Sequence 2, April US-10-033-174-2 Sequence 2, April	3 US-09-724-864-54 Sequence 54, Appl	US-09-751-389-7 Sequence 7, Appli	2 US-08-449-645A-30 Sequence 30, Appl	4 US-09-751-389-8 Sequence 8, Appli	2 US-08-449-645A-13 Sequence 13, Appl	5 PCT-US95-04681-13 Sequence 13, Appl	4 US-09-627-650B-11 Sequence 11, Appl	4 US-09-902-540-12243 Sequence 12243, A	S PCT-US95-02251-3 Sequence 3, Appli	1 US-08-199-780-3 2 US-08-316-650-3 Sequence 3, Appli	3 US-08-479-722B-4 Sequence 4, Appli	4 US-09-592-685-4 Sequence 4, Appli	4 US-09-578-063-13 Sequence 13, Appl	4 US-09-578-063-11 Sequence 11, APP1	3 US-09-051-624A-1 Sequence 1, Appli	3 US-09-249-697A-19 Sequence 19, Appl	4 US-10-136-227A-24 Sequence 24, Appl	4 US-09-981-649A-24 Sequence 24, Appl 4 US-10-136-227A-32 Sequence 32, Appl	4 US-09-981-6498-32 Sequence 32, Appl	4 US-10-949-016-8175 Sequence 0.177, Ap. 4 US-10-009-332-1 Sequence 1, Appli	4 US-09-949-016-11332 Sequence 11332, A	2 US-08-938-957A-19 Sequence 19, Appl	4 US-09-252-991A-28869 sequence 1 US-08-441-629-7	3 US-08-776-207-7 Sequence	5 pcr-US95-09172-7 Sequence	4 US-09-127-946-12 Sequenc	4 US-09-252-991A-23091 Sequenc	2 US-08-525-940-15 sequenc	4 US-09-270-767-36214 Sequence 36214, A	4 US-09-270-767-51431 Sequence 51431, A	1 US-07-201-2010 Sequence 1, Appli	1 US-07-985-691-2 Sequence 2, Appli	1 US-08-267-387-2 Sequence 2, Appli	6 5258288-4 Patent No. 5258288	6 5258288-4 1 US-08-282-141-4 Sequence 4, Appli	1 US-08-435-434-3 Sequence 3, Appli	1 US-08-435-436-3 Sequence 3, Appli 5 HS-08-438-863-3 Sequence 3, Appli	2 US-08-438-864-3 Sequence 3, Appli	3 US-08-438-862-3 Sequence 3, Appli	3 US-08-402-253-3 Sequence 3, Appli	3 US-08-443-866B-3 Sequence 3, Appl1 4 HS-09-589-892B-11 Sequence 11, Appl	3 US-07-956-483-17 Sequence 17, Appl
175 2 US-08-464-637-2 Sequence 2, Appli 175 2 US-08-401-530A-4 Sequence 4, Appli 175 2 US-08-709-662-4 Sequence 4, Appli 175 2 US-08-822-261-3 Sequence 3, Appli 175 4 US-08-226-852-3 Sequence 3, Appli	183 4 US-09-949-016-10537 Sequence 10537, A 183 4 US-09-312-283C-389 Sequence 289, App	612 3 US-08-482-677-2 Sequence 2, Appli 612 4 US-10-033-174-2 Sequence 2, Appli	697 3 US-09-724-864-54 Sequence 54, Appl	953 4 US-09-751-389-7 Sequence 7, Appli	967 2 US-08-449-645A-30 Sequence 30, Appl	975 4 US-09-751-389-8 Sequence 8, Appli	991 2 US-08-449-645A-13 Sequence 13, Appl	991 5 PCT-US95-04681-13 Sequence 13, Appl	1128 4 US-09-627-650B-11 Sequence 11, Appl	1133 4 US-09-902-540-12243 Sequence 12243, A	1251 5 PCT-US95-02251-3 Sequence 3, Appli	1252 1 US-08-199-780-3 Sequence 3, Appli	1253 3 US-08-479-722B-4 Sequence 4, Appli	1253 4 US-09-592-685-4 Sequence 4, Appli	1113 4 US-09-578-063-13 Sequence 13, Appl	1 1453 4 US-09-578-063-11 Sequence 11, Appl.	1 1/24 4 US-09-3807-3807-2 1 80 3 US-09-051-624A-1 Sequence 1, Appli	1 553 3 US-09-249-697A-19 Sequence 19, Appl	553 4 US-10-136-227A-24 Sequence 24, Appl	1 553 4 US-09-981-649A-24 Sequence 24, Appl	4 554 4 US-09-981-649A-32 Sequence 32, Appl	4 594 4 US-09-949-016-8175 Sequence 01/3, Ap 4 950 4 US-10-009-332-1 Sequence 1, Appli	4 956 4 US-09-949-016-11332 Sequence 11332, A	41 2 US-08-88-9574-19 Sequence 19, Appl	3 133 4 US-09-252-991A-28869 sequence	3 160 3 US-08-776-207-7 Sequence	3 160 5 PCT-US95-09172-7 Sequence	3 187 4 US-09-127-946-12 Sequenc	3 287 4 US-09-252-991A-23091 Sequence	3 288 2 US-08-525-940-15 sequence	3 366 4 US-09-270-767-36214 Sequence 36214, A	3 366 4 US-09-270-767-51431 Sequence 51431, A	3 635 1 US-07-907-190-1 Sequence 1, Appli	3 635 1 US-07-985-691-2 Sequence 2, Appli	3 635 1 US-08-267-387-2 Sequence 2, Applia 5 635 1 US-08-267-387-2 Sequence 2, Applia	3 652 6 5258288-4 Patent No. 5258288	3 652 6 5258288-4 3 676 1 US-08-282-141-4 Sequence 4, Appli	3 676 1 US-08-22-23-3 Sequence 3, Appli	3 676 1 US-08-435-436-3 Sequence 3, Appli	3 676 2 US-08-438-864-3 Sequence 3, Appli	3 676 3 US-08-438-862-3 Sequence 3, Appl.	3 676 3 US-08-402-253-3 Sequence 3, Appli	.3 676 3 US-08-443-866B-3 Sequence 3, Appl	3 760 4 US-09-589-8328-11 Coquence 17, Appl
175 2 US-08-464-637-2 Sequence 2, Appli 175 2 US-08-401-530A-4 Sequence 4, Appli 175 2 US-08-709-662-4 Sequence 4, Appli 175 2 US-08-822-261-3 Sequence 3, Appli 175 4 US-09-226-852-3 Sequence 3, Appli	5.5 3.4 183 4 US-09-949-016-10537 Sequence 10537, A 183 4 US-09-312-2830-1389 Sequence 289, App. 5.5 3.4 284 4 US-09-312-2830-389 Sequence 289, App. 5.5 3.4 284 4 US-09-312-2830-389 Sequence 289, App. 5.5 3.4 284 4 US-09-312-2830-389	5.5 3.4 612 3 US-08-482-677-2 Sequence 2, Appli 5.5 3.4 612 4 US-10-033-174-2 Sequence 2, Appli	5.5 3.4 697 3 US-09-724-864-54 Sequence 54, Appl.	5 3.4 709 103-09-751-389-7 Sequence 7, Appli	5.5 3.4 967 2 US-08-449-645A-30 Sequence 30, Appl	5.5 3.4 975 4 US-09-751-389-8 Sequence 8, Appli	5.5 3.4 991 2 US-08-449-645A-13 Sequence 13, Appl	5.5 3.4 991 S PCT-US95-04681-13 Sequence 13, Appl	5.5 3.4 1128 4 US-09-627-650B-11 Sequence 11, Appl	5.5 3.4 1133 4 US-09-902-540-12243 Sequence 12243, A	5.5 3.4 1251 5 PCT-US95-02251-3 Sequence 3, Appl.1	5.5 3.4 1252 1 US-08-199-780-3 Sequence 3, Appli	5.5 3.4 1253 3 US-08-479-722B-4 Sequence 4, Appli	5.5 3.4 1253 4 US-09-592-685-4 Sequence 4, Appli	5.5 3.4 1413 4 US-09-578-063-13 Sequence 13, Appl	5.5 3.4 1453 4 US-09-578-063-11 Sequence 11, Appl.	5.5 3.4 1/24 4 US-09-3807-38-37 Coguence 1, Appli	3.4 553 3 US-09-249-697A-19 Sequence 19, Appl	3.4 553 4 US-10-136-227A-24 Sequence 24, Appl	3.4 553 4 US-09-981-649A-24 Sequence 24, Appl	3.4 554 4 US-09-981-649A-32 Sequence 32, Appl	3.4 594 4 US-09-949-016-8175 Sequence 01/7, AP 3.4 950 4 US-10-009-332-1 Sequence 1, Appli	3.4 956 4 US-09-949-016-11332 Sequence 11332, A	3.3 41 2 US-08-359-957A-19 Sequence 19, Appl	3.3 133 4 US-09-252-991A-28869 Sequence	3.3 160 3 US-08-776-207-7 Sequence	3.3 160 5 PCT-US95-09172-7 Sequenc	3.3 187 4 US-09-127-946-12 Sequenc	3.3 287 4 US-09-252-991A-23091 Sequenc	3.3 288 2 US-08-525-940-15 Sequenc	3.3 366 4 US-09-270-767-36214 Sequence 36214, A	3.3 366 4 US-09-270-767-51431 Sequence 51431, A	3.3 5/5 4 US-03-224-3240 Sequence 1, Appli 3.3 635 1 US-07-907-190-1 Sequence 1, Appli	3.3 635 1 US-07-985-691-2 Sequence 2, Applia	3.3 635 1 US-08-267-387-2 Sequence 2, Appli	3.3 652 6 5258288-4 Parent NO. 525628	3.3 652 6 5258288-4 Facent NO. 3232200 3.3 676 1 US-08-282-141-4 Sequence 4, Appli	3.3 676 1 US-08-435-434-3 Sequence 3, Appli	3.3 676 1 US-08-435-436-3 Sequence 3, Appli	3.3 676 2 US-08-438-864-3 Sequence 3, Appli	3.3 676 3 US-08-438-862-3 Sequence 3, Appli	3.3 676 3 US-08-402-253-3 Sequence 3, Appli	3.3 676 3 US-08-443-866B-3 Sequence 3, Appl	3.3 760 4 US-09-883-8728-11 Sequence 17, Appl 3.3 858 3 US-07-956-483-17 Sequence 17, Appl

1488         82         3.2         2509         4         US-09-252-991A-16642         Sequence 16642, A           1489         81.5         3.2         156         3         US-08-600-982-30         Sequence 30, Appl 1490           1490         81.5         3.2         175         YC-US94-10261A-30         Sequence 1, Appl 1592           1492         81.5         3.2         175         4         US-09-226-852-1         Sequence 1, Appl 1592           1493         81.5         3.2         175         4         US-09-226-852-1         Sequence 1, Appl 1592           1494         81.5         3.2         191         4         US-09-949-016-10300         Sequence 1, Appl 1590           1494         81.5         3.2         193         4         US-09-252-991A-31074         Sequence 31074, A           1495         81.5         3.2         405-09-499-016-10300         Sequence 31074, A           1497         81.5         3.2         405-09-499-016-11538         Sequence 11538, A           1499         81.5         3.2         637         4         US-09-949-016-11538         Sequence 11539, A           1499         81.5         3.2         764         4         US-09-949-016-11539         Sequence	RESULT 1 US-09-866-028-50 is Sequence 50, Application US/09866028 is Bequence 50, Application US/09866028 is General INFORMATION: is APPLICANT: Baker, Kevin is APPLICANT: Baker, Kevin is APPLICANT: Eaton, Dan is APPLICANT: Ferrara, Napoleone is APPLICANT: Filvaroff, Ellen is APPLICANT: Geritteen, Mary is APPLICANT: Godowski, Paul is APPLICANT: Godowski, Paul is APPLICANT: Grimaldi, Christopher is APPLICANT: Grimaldi, Christopher is APPLICANT: Hillan, Kenneth is APPLICANT: Napier, Mary is APPLICANT: Tumas, Daniel is APPLICANT: Tumas, Daniel is APPLICANT: Wood, William is APPLICANT: Wood, William is APPLICANT: Wood, William	TITLE OF INVENTION: SCREELED AND INCANSHMBRANDS POLITERINGS AND NOCLELL.  TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P2548P1C1  CURRENT APPLICATION NUMBER: US/09/866,028  CURRENT FILING DATE: 2001-05-25  Prior application data removed - consult PALM or file wrapper  NUMBER OF SEQ ID NOS: 120  SEQ ID NO 50  LENGTH: 455  TYPE: PRT  ORGANISM: Homo Sapien  US-09-866-028-50  Query Match  Query Match  100.0%; Score 2529; DB 4; Length 455;  Best Local Similarity 100.0%; Pred. No. 1.38-218;	55. CORSETVATIVE 0;  MLHPETSPGRGHILAVILALI
Sequence 32, Appl Sequence 84, Appl Sequence 84, Appl Sequence 84, Appl Sequence 14, Appl Sequence 1531, A Sequence 7332, Ap Sequence 7332, Ap Sequence 2251, A Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli	<b></b>	Sequence 6, Appli Sequence 9, Appli Sequence 9, Appli Sequence 8, Appli Sequence 17, Appli Sequence 17, Appl Sequence 35, Appl Patent No. 5514582 Patent No. 5514582 Patent No. 551643 Sequence 7062, Appli Sequence 123, Appli	Sequence 28974, A Sequence 28974, A Sequence 2, Appli Sequence 2, Appli Sequence 3462, Ap Sequence 69, Appl Sequence 67, Appl Sequence 56, Appl Sequence 57, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appli Sequence 2, Appli Sequence 6, Appli
US-08-152-019A-32 US-08-173-510B-84 US-08-450-4917-84 US-08-060-433C-34 US-08-060-433C-34 US-09-902-540-15031 US-09-902-540-15031 US-09-252-991A-22531 US-09-403-634-2 US-08-403-634-3 US-08-403-634-3 US-08-403-634-3 US-08-403-634-3 US-08-403-634-3 US-08-403-634-3 US-08-403-634-3	US-09-571-985C-2 US-09-571-985C-2 US-09-949-016-11708 US-09-949-016-10394 US-08-264-101-2 US-08-264-101-2 PCT-US95-07295-2 US-08-243-542-3 US-08-484-355-3 US-08-484-355-3 US-08-243-8 US-08-243-8 US-08-243-8 US-08-243-8 US-08-243-8 US-08-243-8 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-949-016-9605 US-09-948-135-4 US-09-965-1815B-1 US-08-957-815B-1	US-09-857-815B-6 US-09-857-815B-6 US-09-857-815B-5 US-09-857-815B-8 US-09-863-191A-1 US-09-863-191A-1 US-08-87-815B-35 S514582-20 S514582-20 S514582-20 S256643-2 US-09-949-016-7062 US-09-949-016-7062 US-08-835-279-2	US-09-270-767-43034 US-09-2570-767-43034 US-08-331-259-2 US-08-331-259-2 US-08-339-425-2 US-09-270-767-46608 US-09-270-767-46608 US-09-270-767-46608 US-09-578-063-69 US-09-578-063-69 US-08-461-004A-57 US-08-461-004A-57 US-08-461-004A-57 US-08-91-953A-4 US-09-981-953A-4 US-09-102-248-6 US-09-361-263-6 US-09-361-263-6 US-09-361-263-6
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	***********	4 4 11 12 4 4 4 4 11 11 11 11 11 11 11 11 11 11 1
	๚๚๛๚๚๚๚๛๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚ ๚๚๚๚๚๚๚๚๚๚๚๚๚		
	**************************************	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22222222222222222222222222222222222222
1415 14116 14110 14210 1422 1423 1423 1425 1425 1425	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1111114444 144669 144669 14666 14666 14665	11469 114470 114470 114473 114473 114488 114881 114883 114885

```
SEQ ID NO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                          PRIOR 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: TUMBA, DATIOE

APPLICANT: TUMBA, DATIOE

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERRENCE: P2548PIC1

CURRENT APPLICATION NUMBER: US/09/944,457

CURRENT APPLICATION NUMBER: US/06/9411

PRIOR PILING DATE: 2001-09-26

PRIOR PILING DATE: 2001-09-26

PRIOR PILING DATE: December 3, 1997

PRIOR PILING DATE: December 11, 1997

PRIOR PILING DATE: December 11, 1997

PRIOR PILING DATE: December 11, 1997

PRIOR PILING DATE: December 12, 1997

PRIOR PILING DATE: December 16, 1997

PRIOR PILING DATE: December 17, 1997

PRIOR PILING DATE: DECEMBER: 60/069, 973

PRIOR PILING DATE: DECEMBER: 60/069
                                                                                                                                                                                                       DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                         TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                              QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: February 9, 1998
APPLICATION NUMBER: 60/074,092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/075,945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 50, Application US/09944457
Patent No. 6734288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul
Grimaldi, Christopher
Gurney, Austin
Hillan, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ferrara, Napoleone
Filvaroff, Ellen
Gerritsen, Mary
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          February
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Roy,Margaret
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumas, Danie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Napier, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PPLICANT:
                                                                       241
                                                                                                                                                                                                                                                                                                                                            361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  421
                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                 ð
                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                 ò
```

```
61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MIHPETSPGRGHLLAVLALLGTTWAEVWPPOLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 VEVVSLWFAEGORYSHAAGECARNATCTHYTOLVWATSSOLGCGRHLCSAGOTAIEAFVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MIHPETSPGRCHLLAVILALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 2529; DB 4; Length 455; 100.0%; Pred. No. 1.3e-218; rive 0; Mismatches 0; Indels 0
                                                                                                                                                                         PRIOR APPLICATION NUMBER: 90/140, 1896
PRIOR FILING DATE: JOILY 28, 1999
PRIOR FILING DATE: September 16, 1998
PRIOR FILING DATE: September 16, 1998
PRIOR PLILING DATE: September 16, 1998
PRIOR PLILING DATE: December 1, 1998
PRIOR FILING DATE: December 1, 1998
PRIOR PLILING DATE: December 16, 1998
PRIOR PLILING DATE: December 16, 1998
PRIOR PLILING DATE: December 20, 1998
PRIOR PLILING DATE: March 3, 1999
PRIOR PLILING DATE: September 15, 1999
PRIOR PLILING DATE: September 15, 1999
PRIOR PLILING DATE: September 16, 1999
PRIOR PLILING DATE: No. 6734288ember 30, 1999
PRIOR PLILING DATE: December 1, 1999
PRIOR PLILING DATE: December 1, 1999
PRIOR PLILING DATE: December 1, 1999
PRIOR PLILING DATE: December 16, 1999
PRIOR PRILING DATE: December 16, 1999
PRIOR PLILING DATE: December 16, 1999
PRIOR PLILING DATE: December 16, 1999
PRIOR PLILING DATE: PEDALARY 22, 2000
PRIOR PRILING DATE: FEDALARY 11, 2000
PRIOR PRILING DATE: FEDALARY 22, 2000
PRIOR PRILING DATE: FEDALARY 22, 2000
PRIOR PRILING DATE: March 3, 2000
PRIOR PRIPER PREPARED PRIVER PRIVER PRIPER P
APPLICATION NUMBER: 60/112,850
FILING DATE: December 16, 1998
APPLICATION NUMBER: 60/113,296
                                                                                                                   FILING DATE: December 22, 1998
APPLICATION NUMBER: 60/146,222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 455; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo Sapien
US-09-944-457-50
```

180

120

```
73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV------EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 58 RWDEELAAFAKAYARQC-----VW----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124 VSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 LIPLILILVATT------GPV-GALTDEEKRLMVELHNIYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Tunas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             52;
                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%; Score 272; DB 4; Length 463; 31.9%; Pred. No. 5e-16; Live 28; Mismatches 78; Indels
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-16
PRIOR PLING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR PILING DATE: 1999-12-20
PRIOR PILING DATE: 1909-15-20
PRIOR PILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 285, Application US/09905125A Patent No. 6664376 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hillan, Kenneth, J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          74; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ashkenazi, Avi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Genentech, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 10466-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goddard, A.
                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-907-794A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 74; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-905-125A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tumas, Daniel

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William, I.

APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14

CURRENT PLILING DATE: 2001-07-17

PRIOR FILING DATE: 2000-02-22

PRIOR FILING DATE: 1999-07-07

PRIOR PLILING DATE: 1999-07-07

PRIOR PLILING DATE: 1999-07-28

PRIOR PLILING DATE: 1999-07-28

PRIOR PLILING DATE: 1999-09-08

PRIOR PLILING DATE: 1999-09-08

PRIOR PLILING DATE: 1999-09-08

PRIOR PLILING DATE: 1999-09-13

PRIOR PLILING DATE: 1999-09-15

PRIOR PLILING DATE: 1999-09-15
DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                          TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT
                                                                                                         301 TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT
                                                                                                                                                                                             DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFARGQPDNHGLVWLSAAMGFGNCVEL
                                                                                                                                                                                                                                                           QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                      421 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PILING DATE: 1999-10-05
APPLICATION NUMBER: PCT/US99/28214
FILING DATE: 1999-11-29
APPLICATION NUMBER: PCT/US99/28313
FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 285, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eaton, Dan L.
                                                                          301
                                                                                                                                                                   361
                                                                                                                                                                                                           361
                                                                                                                                                                                                                                                           421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR
                                                                                                              a
                                                                                                                                                                ò
                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                  셤
                                                                       ò
```

**Gaps** 

```
APPLICANT: Tunnas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, Williams, P. Mickey
TITLE OF INVENTION: Sected and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Sected and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Sected and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: 10466-14
CURRENT FILING DATE: 2000-02-10
PRIOR PLILING DATE: 1999-07-07
PRIOR PLILING DATE: 1999-07-07
PRIOR PLILING DATE: 1999-07-07
PRIOR PLILING DATE: 1999-07-07
PRIOR PLILING DATE: 1999-07-08
PRIOR PLILING DATE: 1999-09-08
PRIOR PLILING DATE: 1999-10-05
PRIOR PLILING DATE: 1999-11-29
PRIOR PLILING DATE: 1999-11-29
PRIOR PLILING DATE: 1999-11-20
PRIOR PLILING DATE: 1999-12-05
PRIOR PLILING DATE: 1999-12-06
PRIOR PLILING DATE: 1999-12-06
PRIOR PLILING DATE: 1999-12-07
PRIOR PLILING DATE: 1999-10-06
PRIOR PLING DATE: 1999-10-06
PRIOR PLING DATE: 1999-10-06
PRIOR PLING DAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
10.8%; Score 272; DB 4; Length 463
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78; Indels
                                                                                                                                                       Godowski, Paul J.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kjavin, Ivar J.
Nather, Jemie P.
Pan, James
Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Ferrara, Napoleone
                                                                                                                   Gerritsen, Mary E
                                                                                               Gerber, Hanspeter
                                              Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo Sapien
US-09-902-775A-285
                                                                                                                                           Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV------EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 LLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRSWVQPPAADWRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 ILPLILILIVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
10.8%; Score 272; DB 4; Length 463;
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78; Indels 9
       US-09-902-775A-285
; Sequence 285, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Botstein, David
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CRGANISM: Homo Sapien US-09-905-125A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
```

13 LLAVLALLGTTWAEVWPPOLOBQAPWAGALNRKESPLLLSLHNRLRSWVQPPAADWRRL 72 | | : | | : | | : | | : | | : | | : | | : |

8

52;

```
US-09-903-603A-285
                                                                                                                                                                                                                                                                              LENGTH: 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                      58 RWDEBLAAFAKAYARQC------VW-----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                           124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
  --GPV-GALTDEEXRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Williams, F. Mickey
PPPLICANT: Wood, William, I.
IITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
IITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                          CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                          DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THILE CF LATENTION: ACIDE ELCOLING LICE SANDER
CURRENT APPLICATION NUMBER: US/09/906,700
CURRENT FILING DATE: 2000-09-18
PRIOR PELING DATE: 2000-02-22
PRIOR PELING DATE: 109-07-07
PRIOR PLING DATE: 1099-07-07
PRIOR PLING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-15
PRIOR PELING DATE: 1999-10-15
PRIOR PELING DATE: 1999-11-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/US99/28313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US99/28564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                           Sequence 285, Application US/09906700 Patent No. 6723535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pan, James
Paoni, Nicholas F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ashkenazi, Avi
Botstein, David
Desnoyers, Luc
Baton, Dan L.
  11 LLPLLLLLVATT---
                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Genentech, Inc
                                                                                                                                                                                                                                                                                                                                         -09-906-700-285
                                          73
                                                                                                                                                                                                                180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR
PRIOR
PRIOR
셤
                                                                                    요
                                                                                                                         ò
                                                                                                                                                               a
                                                                                                                                                                                                                Š
                                                                                                                                                                                                                                                       g
                                          ò
```

```
73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 LLPLLLLLVATT-------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 LIAVILLALIGITWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: GNE.1618P2C12 CURRENT APPLICATION NUMBER: US/09/903,603A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
10.8%; Score 272; DB 4; Length 463
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78; Indels
                PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR PPLICATION NUMBER: PCT/US99/30095
PRIOR PLIING DATE: 1999-12-16
PRIOR PLIING DATE: 1999-12-20
PRIOR PLIING DATE: 1999-12-20
PRIOR FILING DATE: 1999-12-20
PRIOR PLIING DATE: 1999-12-20
PRIOR PLIING DATE: 1999-12-20
PRIOR PLIING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 285, Application US/09903603A
Patent No. 6767995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Roy, Margaret Ann
Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Paoni, Nicholas F.
FILING DATE: 1999-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Desnoyers, Luc
Baton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genentech, Inc.
Ashkenazi, Avi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard, A.
                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CORGANISM: Homo Sapien
US-09-906-700-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
```

```
and Transmembrane Polypeptides and Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.8%; Score 272; DB 4; Length 463; 31.9%; Pred. No. 5e-16; tive 28; Mismatches 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/904,920A

CURRENT PILING DATE: 2001-07-13

PRIOR APPLICATION NUMBER: US (0/143,048)

PRIOR APPLICATION NUMBER: US (0/143,048)

PRIOR FILING DATE: 1999-07-07

PRIOR FILING DATE: 1999-07-07

PRIOR FILING DATE: 1999-07-08

PRIOR FILING DATE: 1999-07-28

PRIOR PILING DATE: 1999-07-28

PRIOR PILING DATE: 1999-07-18

PRIOR FILING DATE: 1999-07-18

PRIOR FILING DATE: 1999-07-18

PRIOR FILING DATE: 1999-09-18

PRIOR FILING DATE: 1999-09-18

PRIOR PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PRIOR DATE: 1999-10-05

PRIOR PRIOR DATE: 1999-10-05

PRIOR PRIOR DATE: 1999-11-29

PRIOR PRIOR DATE: 1999-11-20

PRIOR PRIOR DATE: 1999-12-02

PRIOR PRIOR DATE: 1999-12-02

PRIOR PRIOR DATE: 1999-12-02

PRIOR PRIOR DATE: 1999-12-02

PRIOR PRIOR DATE: 1999-12-06

PRIOR PRILING DATE: 1999-12-07

PRIOR PRILING DATE: 1999-12-06

PRIOR PRILING DATE: 1999-12-07

PRIOR PRILING DATE: 1999-12-03

PRIOR PRILING DATE: 1999-12-03

PRIOR PRILING DATE: 1999-12-03

PRIOR PRILING DATE: 1999-12-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                              Godowski, Paul J.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
                                                                                                                                               Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 74; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo Sapien
US-09-904-920A-285
                                                                                                                                                                                                                           Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 74; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58 RWDEELAAFAKAYARQC-----VW-----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124 VSLWFAEGORYSHAAGECARNATCTHYTOLVWATSSOLGCGRHLC----SAGOTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 LLPLLLLVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.8%; Score 272; DB 4;
31.9%; Pred. No. 5e-16;
tive 28; Mismatches 7
           PRIOR APPLICATION NUMBER: 2001-07-11
PRIOR APPLICATION NUMBER: DET/US00/04414
PRIOR PILING DATE: 2000-02-22
PRIOR PELING DATE: 1999-07-07
PRIOR PLING DATE: 1999-07-07
PRIOR PLING DATE: 1999-07-28
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-15
PRIOR PELING DATE: 1999-10-15
PRIOR PELING DATE: 1999-10-15
PRIOR PELING DATE: 1999-10-29
PRIOR PELING DATE: 1999-10-20
PRIOR PELING DATE: 1999-11-29
PRIOR PELING DATE: 1999-11-30
PRIOR PELING DATE: 1999-11-30
PRIOR PELING DATE: 1999-11-30
PRIOR PELING DATE: 1999-11-30
PRIOR PELICATION NUMBER: PCT/US99/2095
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 285, Application US/09904920A
Fatent No. 6806352
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Achkenazi, Avi
APPLICANT: Betefin, David
APPLICANT: Betefin, David
APPLICANT: Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         type: PRT CORGANISM: Homo Sapien US-09-903-603A-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 8
US-09-904-920A-285
```

> ð 셤

ద ò

셤 ò

õ 셤 ઢ

```
73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58 RWDEELAAFAKAYARQC-----VW----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 VSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGGTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905, 381A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 LLPLLLLVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CNYEPPGN--VKGKR--PYQECTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 10.8%; Score 272; DB 4; L
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78;
                   PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR FILING DATE: 1999-12-16
PRIOR FILING DATE: 1999-12-20
PRIOR PILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 1999-12-20
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
LENGTH: 463
APPLICATION NUMBER: PCT/US99/28565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-905-381A-285;
Sequence 285, Application US/09905381A;
Patent No. 6818746;
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2001-07-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Genentech, Inc. APPLICANT: Ashkenazi, Avi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Goddard, A.
                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                             US-09-909-064-285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tumas, Daniel

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/909,064

CURRENT PLING DATE: 2001-02-22

PRIOR PILING DATE: 2000-02-22

PRIOR PLING DATE: 1999-07-07

PRIOR PLING DATE: 1999-07-07

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-28

PRIOR PLING DATE: 1999-07-28

PRIOR PLING DATE: 1999-09-08

PRIOR PLING DATE: 1999-09-08

PRIOR PLING DATE: 1999-09-08

PRIOR PLING DATE: 1999-09-13

PRIOR PLING DATE: 1999-09-15

PRIOR PLING DATE: 1999-09-15
                                                           124 VSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSOLGCGRHLC----SAGOTAIEAFV 179
                                                                                                                                                                                 103 MEEWHHEREHYNLSAATCSPGQMCGHYTQVVWAKTERIGCGSHFCEKLQGVEETNIELLV 162
                                                                                                                                                                                                                                    180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                  CNYEPPGN---VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                        DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US99/28313
PILING DATE: 1999-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: PCT/US99/28564
FILING DATE: 1999-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 285, Application US/09909064
Patent No. 6818449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Paoni, Nicholas F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Roy, Margaret Ann
Stewart, Timothy I
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : Genentech, Inc.
: Ashkenazi, Avi
: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  RESULT 9
US-09-909-064-285
                     73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR
                                                                      셤
                                                                                                                          Š
                                                                                                                                                                           요
                                                                                                                                                                                                                                    δ
                                                                                                                                                                                                                                                                                   셤
```

57

Gaps

52;

```
APPLICANT: Stewart, Timochy A.
APPLICANT: Grawart, Timochy A.
APPLICANT: Thumas, Daniel
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, Williams, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
CURRENT FELING BATE: 10466-1446
FILE REFRENCE: 10466-1446
FILE REPLICATION NUMBER: US 60/145,698
FILE REPLICATION NUMBER: PCT/US99/20594
FRIOR FILING DATE: 1999-09-15
FRIOR PELLOR FILE 1999-10-05
FRIOR FILE 1040-11-20
FRIOR FILE 1040-11-20
FRIOR FILE INDOMER: PCT/US99/28313
FRIOR FILE INDOMER: PCT/US99/28313
FRIOR FILE INDOMER: PCT/US99/28095
FRIOR FILE INDOMER: PCT/US99/2099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 LLPLLLILLVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 LIAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
10.8%; Score 272; DB 4; Length 463;
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78; Indels
                                                                                                                                                                                                                                                                 Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                    Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                           Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kljavin, Ivar J.
Mather, Jennie P.
                                  Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo Sapien
US-09-906-618-285
                                                                                                                                                                                                                               Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pan, James
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFY 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         103 MEBWHHEREHYNLSAATCSPGQMCGHYTQVVWAKTERIGCGSHFCEKLQGVETNIELLV 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASFV------EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 ILAVILALIGTIWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRSWVQPPAADWRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | | :|| |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- || |- |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         52; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
10.8%; Score 272; DB 4; Length 463;
Best Local Similarity 31.9%; Pred. No. 5e-16;
Matches 74; Conservative 28; Mismatches 78; Indels
PRIOR APPLICATION NUMBER: PCT/USO0/04414
PRIOR PILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/145,048
PRIOR FILING DATE: 1999-07-07
PRIOR PLILOR DATE: 1999-07-26
PRIOR PLILOR DATE: 1999-07-26
PRIOR PLILOR DATE: 1999-07-28
PRIOR PLILOR DATE: 1999-09-08
PRIOR PLILOR DATE: 1999-09-08
PRIOR PLILOR DATE: 1999-09-13
PRIOR PLILOR DATE: 1999-09-13
PRIOR PLILOR DATE: 1999-09-13
PRIOR PLILOR DATE: 1999-09-13
PRIOR PLILOR DATE: 1999-09-15
PRIOR PLILOR DATE: 1999-09-15
PRIOR PLILOR DATE: 1999-09-15
PRIOR PLILOR DATE: 1999-09-15
PRIOR PLILOR DATE: 1999-10-05
PRIOR PLILOR DATE: 1999-11-29
PRIOR PLILOR DATE: 1999-11-29
PRIOR PLILOR DATE: 1999-11-29
PRIOR PLILOR DATE: 1999-11-20
PRIOR PRILOR DATE: 1999-12-06
PRIOR PRILOR DATE: 1999-12-07
PRIOR PLILOR DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
LENGTH: 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 285, Application US/09906618; Sequence 285, Application US/09906618; Sequence 285, Application US/09906618; Parent No. 6828146; APPLICANT: Genentech, Inc.; APPLICANT: Ashkenazi, Avi; APPLICANT: Botstein, David; APPLICANT: Eaton, Dan L.; APPLICANT: Eaton, Dan L.; APPLICANT: Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , ORGANISM: Homo Sapien
US-09-905-381A-285
```

요 à

ð d ò 엄 ò

```
103 MESWHHEREHYNLSAATCSPGQMCGHYTQVVWAKTERIGCGSHFCEKLQGVESTNIELLV 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 LLPLILLIVATT------GPV-GALTDEEKRLMVELHNLYRAQVSPTASDMLHM 57
                                                                                                    CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                             CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.6%; Score 267; DB 3; Length 270; 31.5%; Pred. No. 6.8e-16; Live 28; Mismatches 79; Indels
                                                                                                                                                                                                                                                                                                                             Sequence 1, Application US/09199887

Batent No. 6071874

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goll, Surva K.
TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: DOS SOFTWARE: FASTSEQ for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/199,887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/773,368
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Billings, Lucy RJ
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 270 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 31.5%
Matches 73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: 1599164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: C. COUNTRY:
                                                                                                                                                                                                                                                                  RESULT 13
US-09-199-887-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-199-887-1
                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                  셤
                                                                                                ò
                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
   --EV 123
                                                              58 RWDEELAAFAKAYARQC-----VW----GHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                   124 VSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                         DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-----EV 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -------ROXRXGHNKERGRRGENLFAITDEGMDVPLA 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       124 VSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 LIPLILLLIVATT------GPV-GALTDEEKRLMVELHNLYRAQVSFTASDMLHM 57
                                                                                                                                                                                                                                                                                                  163 CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                               180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 10.6%; Score 267; DB 2; Length 270; Best Local Similarity 31.5%; Pred. No. 6.8e-16; Matches 73; Conservative 28; Mismatches 79; Indels 52;
73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INCORMATION:

GENERAL INCORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED

TITLE OF INVENTION: NOVEL HUMAN PATHOGENESIS HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PF-0186 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08773368
Patent No. 5856130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Billings, Lucy RJ
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-
TELECOMMINICATION
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 270 amino acids
TYPE: amino acids
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58 RWDEELAAFAKAYA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-773-368-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73
                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                               ò
                                                          셤
                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
```

요

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    172 QTAIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56 NRLRSWVQPPAADWRRLDWSDSLAQLAQARAALCGI----PTPSLASGLWRTLQVGWNWQ 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 NELRRAVSPPARNMLKMEMNKEAAANAQKMANQCNYRHSNPKDRWTS----LKCGENLY 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                112 LLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAG 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MIHPETSPGRGHILLAVILLALLGTTWAEVWP--POLOEQAPWAGALNRKESFL---LLSIH 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      232 CRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREE-ECSCVC 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CK-----YEDLYSNCK-----SLKLTLTCKHOLVRDSCKASCNC 253
163 CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                APPLICANT: Arthur B. Raitano
APPLICANT: Arthur B. Raitano
APPLICANT: Daniel E.H. Afar
APPLICANT: Steve Chappell Mitchell
APPLICANT: Steve Chappell Mitchell
APPLICANT: Mary Faris
APPLICANT: Aya Jakobovits
TITLE OF INVENTION: DIAGNOSIS AND THERAPY OF CANCER USING
TITLE OF INVENTION: SGP28-RELATED MOLECULES
FILE REPRENCE: 129.23-US-UJ
CURRENT FILING DATE: 129.23-US-UJ
CURRENT FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 36
SOUTHARE: PRESERVE 1999-10-28
SEQ ID NOS: 36
LENGTH: 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/08773368;
Patent No. 5856130;
GENERAL INFORMATION:
GENERAL INFORMATION:
TILLE OF INVENTION: NOVEL HUMAN PATHOGENESIS-RELATED
TILLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 314 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 10.2%; Score 259; DB 4; Length 25: Best Local Similarity 27.1%; Pred. No. 3.4e-15; Matches 79; Conservative 45; Mismatches 116; Indels
                                                                                                                Sequence 3, Application US/09698781
Patent No. 6835822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                Rene S. Hubert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Rene S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-773-368-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-698-781-3
                                                                                                US-09-698-781-3
```

à 셤 ò 셤 ð 셤 ð 셤 ò

```
94 PSLASGLWRTLQVGWNWQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQL 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 BDFIKDCVRIHNKFRSEVKPTASDMLYMTWDPALAQIAKAWASNCQFSHNTRLKPPHKLH 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           154 VWATSSQLGCGRHLCS--AGQTAIE---AFVCAYSPGGNWEVNGKTIIPYKKGAWCSLC 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  132 WWADSYKVGCAVQFCPKVSGFDALSNGAHFICNYGPGGNYPT----WPYKRGATCSAC 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ----T 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    47 ESFL--LLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 219;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
9.2%; Score 232; DB 2;
Best Local Similarity 32.4%; Pred. No. 7.2e-13;
Matches 58; Conservative 28; Mismatches 61
                      OPERATING SYSTEM: DOS
SOFTWARE: PESESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,368
FILING DATE:
CLASSIFICATION: 530
PRICR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search completed: February 11, 2005, 19:05:41 Job time : 59 secs
                                                                                                                                                                                                FILING DATE:
ATTORNEY, AGENT INFORMATION:
NAME: Billings, Lucy RJ
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-85-0555
TELEPHONE: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                            TELEX:
INFORMATION FOR SEQ ID NO: 3:
IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: lin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LIBRARY: GenB
CLONE: 847722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-773-368-3
```

```
homo sapien
mus musculu
mus musculu
homo sapien
homo sapien
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mus musculu
pseudechis
oryza sativ
rattus norv
mus musculu
pseudechis
drosophila
                                                                                                 trimeresuru
mus musculu
homo sapien
                                                                                                                                                                                 rattus norv
cavia porce
agkistrodon
mus musculu
homo sapien
ophiophagus
crotalus at
trimeresuru
                                                                                                                                                                                                                                                                                                                                  mus musculu
mus musculu
homo sapien
naja atra (
brachydanio
caenorhabdi
equus cabal
ciona intes
canon intes
gallus gall
heloderma h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mus muscul;;
laticanda s
laticanda s
naja atra (
homo sapian
equus cabal
equus cabal
cachocynthia
caenorhabdi
homo sapien
rattus norv
mus musculu
rattus norv
mus musculv
rattus norv
mus musculv
mus musculv
mus musculv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           xenopus lae
brachydanio
lapemis har
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 brachydanio
mus musculu
macaca mula
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        m mus muscu
caenorhabdi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hemicentrot
brachydanio
                                                                                                                                                   mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mus musculu
agkistrodon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 homo sapien
                                                                                                                                                                    trimeresuru
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         conus texti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mesocestoid
P54108

009988837

008988337

0072219

0080202

0080202

0080202

0080202

0080202

0080202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202

0090202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q7eyg2
Q9erb4
Q62059
Q8ava3
Q9v£y2
Q6mzk8
P13611
Q7752
Q75z13
Q75z13
Q9x8d3
CR83 HUMAN
0898M77
0898M77
0898M77
0898M73
0817L8
0961M85
0961M85
0961M85
0961M85
0961M87
0961M87
0961M87
0970M97
0970M97
0991M36
0991M36
0991M36
0691M36
0691M36
0691M37
077141
077141
077141
077141
077141
077141
099M61
0691M37
099M66
089M66
089M66
089M66
089M66
089M681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         077719
08MHX2
044228
08MQ33
CRSI_HUMAN
CRVP_RHATT
FGGCN_RAT
FGGCN_RAT
CRSI_MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2229.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5

2289.5
 homo sapien
homo sapien
homo sapien
homo sapien
homo sapien
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        homo sapien
homo sapien
homo sapien
homo sapien
mus musculu
mus musculu
mus musculu
mus musculu
noo sapien
homo sapien
homo sapien
homo sapien
homo sapien
macaa fasc
homo sapien
macaa fasc
macaa musculu
mus musculu
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                homo sapien
homo sapien
gallus gall
homo sapien
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mus musculu
                                                                                                               ; Search time 173 Seconds (without alignments)
1346.798 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                 US-09-943-664-50
2529
1 MLHPETSPGRGHILAVLAL.....RNRYICQPAQEHISRWGPGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0725k9
08ncf0
07t6p3
07t8q0
07t8q0
07t8q1
07tma7
08iuw8
072718
09bh3
08nbk0
08cwb9
08nbk0
09156
09156
09156
09589
09589
09589
09589
09589
09589
09589
09589
09589
09589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26uxf7
                 5.1.6
Compugen Ltd
                                                                                                                                                                                                                                                                                                                               Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                   1612378 seqs, 512079187 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                       summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                   GenCore version (c) 1993 - 2005
                                                                                                                  February 11, 2005, 18:56:28
                                                                                 sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:*
                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 1500
                                                                                 protein search, using
                                                                                                                                                                                                                                                                                                                                                                   seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length DB
                                  Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9997

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

9007

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2529
2438.5
2438.5
2423.5
1932.5
1932.5
1869.5
1869.5
1877.5
277
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
2
                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                    Scoring table:
                                                                                 OM protein
                                                                                                                                                                                                                                                                                                                                                                     Minimum DB
Maximum DB
                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                     Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                  e
E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Run
```

O7f2p0 oryza sativ Q7xx56 oryza sativ P0829 nicotiana t Q81688 solanum phu Q8188 arabidopsis Q8126 mus musculu Q8126 oryza sativ Q6x56 oryza sativ Q6x969 oryza sativ Q6x99 oryza sativ Q6x97 lycopersico P16112 homo sapien Q9x71 brachydanio P3576 vespula mac Q9n70 mus musculu Q692y6 mus musculu Q692y6 mus musculu Q692y6 mus musculu Q80v70 musculus appien	Q9jic1 mus musculu Q94jc1 mus musculu Q847j6 cynodon dac Q647j6 cynodon dac Q66008 zea mays (m Q6443 oryza sativ Q8l687 solanum thu Q9fkl1 arabidopais Q61bv6 nicotiana t Q61059 nicotiana t Q61053 nicotiana t Q61055 nicotiana ac Q61055 nicotiana cabal Q99449 sambaculu Q91054 medicago tr Q40374 medicago tr Q40374 caenorhabdi Q8bviz mus musculu Q600354 caenorhabdi Q8bviz mus musculu	Q61861 mus musculu Q61861 mus culu Q01008 tartus norv O16004 lytechinus Q90xe5 xenopus lae Q7fp72 oryza sativ Q91e57 oryza sativ Q01e575 caenorhabdi P10737 dolichovesp P21783 xenopus lae Q9hyr3 brachydanio Q9hyr3 brachydanio Q9hyp2 homo sapien Q9cxm G13149 fugu rubrip Q01596 hordeum vul Q8w3x9 solanum tor Q8439 oryza sativ Q9544 arabidopsis P35787 vespula vid O35452 mus musculu Q9sf44 arabidopsis
2 Q7F2P0 2 Q7F2P0 2 Q8L688 2 Q8L688 2 Q8L688 2 Q8L26 2 Q8LU7 2 Q6YG9 2 Q6YG9 2 Q6YG9 1 PGCA HUMAN 2 Q6YG9 1 VAS VESMC 2 Q9W7R4 1 VAS VESMC 2 Q9W7R4 1 NTC3 HUMAN 2 Q61240 2 Q61240 3 C61240 3 C61240 3 C61240 4 C61240 4 C61240 5 Q6YG9 2 Q69ZY6 4 G6YF6 2 Q6YF6 3 Q6YF6 3 Q6YF6 3 Q6YF6 3 Q6YF6 4 Q6YF6 4 Q6YF6 3 Q6YF6 3 Q6YF6 4 Q6YF6 5 Q6Y	2 09JLCI 2 09MS6 2 0647J6 1 PRMS_MAIZE 2 06K4Q3 2 08L64Q3 2 08L64Q3 2 08FKLI 1 VAS_VESVU 1 TEM_DROME 2 06L8V6 1 PRIB_TOBAC 1 PRIB_TOBAC 1 PRIB_TOBAC 1 PRIB_TOBAC 2 097720 2 097720 2 09PT35 2 09PT35 2 09PT35 2 09PT35 2 09PT36 2 09PT36	
	2336 2715 2715 1653 200 200 200 200 200 200 200 200 200 20	
	。 。 。 。 。 。 。 。	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
172 171.5 171.5 170.5 170.5 170.5 170 170 169.5 169.5 168.5 168.5 168.5 168.5 168.5	167.5 167.5 167.5 167.5 167.5 167.5 164.5 164.5 164.5 164.5 163.5 164.5 163.5	163 162.5 162.5 162.1 162.1 162.5 161.5 161.5 161.5 161.5 160.5 16
	201 203 203 203 203 203 213 213 214 215 217 218 221 222 223 224 225	22222222222222222222222222222222222222
Q90953 gallus gall P81282 bos taurus G61830 mus musculu Q20608 caenorhabdi P12020 rattus norv P3578 polistes fu P33154 arabidopsis Q20609 caenorhabdi Q64015 mus musculu Q66015 mus musculu Q66015 mus musculu Q66017 nicotiana g Q80013 homo sapien Q66025 homo sapien Q66034 brassicum fr Q66044 brassicum fr Q75412 tapsicum ch P14284 lycopersico P81657 vespa manda Q61128 brassica ca Q81510 oryza sativ	Og69303 xenogus tro Og66503 xenogus tro Og108 lycoperatico Og108 lycoperatico Og108 lycoperatico Og108 satistes ax Og5109 polistes an Og6713 oryza sativ Og12m4 mus musculu Og145 solanum tub Og8416 solanum tub Og8416 solanum tub Og8416 solanum tub Og8619 polistes ex Ogxh05 arabidopsis Q4057 nicotiana t P81656 polistes do Og8416 bransatica ju P22897 homo sapien P35781 vespa crabr Og8418 homo sapien Og4026 mus musculu Og8423 oryza sativ Og8120 xenogus lae O70465 mus musculu Og8432 brassica na	Q69810 Q69810 Q69812 Q68404 rattus norv Q24025 lycopersico Q91212 arabidopsis Q72156 polypia scu Q1843 caenorhabdi Q9487 mus musculu p090042 nicotiana t p090547 mus musculu Q90574 caenorhabdi Q80577 caenorhabdi Q93777 caenorhabdi Q93777 caenorhabdi Q93777 caenorhabdi Q64216 caenorhabdi
	4 2 06F303 13 2 08B0800 13 2 081088 13 2 081088 13 2 081088 14 VAS_POLEX 17 2 08F4T6 17 2 08F4T6 17 2 08F4T6 17 2 08F4T6 17 2 08F4T6 18 2 0941G6 19 2 0941G6 10 2 096T39 10 2 098T39 10 1 VAS_POLDO 10 VAS_POLDO 10 VAS_POLDO 10 VAS_POLDO 10 VAS_POLDO 11 08FT3 12 08FT3 13 08FT3 14 2 08FT3 15 08FT3 16 08T3 17 2 08FT3 18 08T3 18 08T3 19 08T3 10 08T3 10 08T3 11 2 08T3 12 08T3 13 08T3 14 1 2 08T3 15 08T3 16 08T3 17 08T3 18 08T3 18 08T3 19 08T3 10 08T3 11 08T3 12 08T3 13 08T3 14 08T3 15 08T3 16 08T3 17 08T3 18 08T3	1000001001100110010010010
	22 244 25 25 25 25 25 25 25 25 25 25 25 25 25 2	O O O O O O O O O O O O O O O O O O O
191 190 190 190 190 190 190 190 190 190	881.5 880.5 880.5 880.5 770.5 1080.5 770.5 1179 1179 1179 1179 1179 1179 1179 117	
H HHIIII	128 1329 1330 1331 1332 1333 1333 1442 1443 1444 1444	

Q7qj41 anopheles g Q8vhs2 mus musculu Q9r172 rattus norv Q80064 brachydanio Q6vt66 oryza sativ Q8tay8 homo sapien Q9fnc5 homo sapien Q9fnc5 homo sapien Q9fnc5 homo sapien Q92209 cricetulus Q42374 brachydanio P10079 strongyloce P1685 caenorhabdi Q40035 hordeum vul	caenorha gallus g homo sag homo sag homo sag homo sag homo sag homo sag homo sag rattus r	Geztas homo sapien 090ydz xenopus lae 099pn0 caenorhabdi 08w084 oryza sativ 08mbd3 homo sapien 08mbd3 homo sapien 08mbd2 homo sapien 014162 homo sapien 09w0a drosophila 0804r1 brachydanio P46530 brachydanio 039187 arabidopsis 096kg6 homo sapien 096kg6 homo sapien		Q'yes's incontius progress incontius progress and open progress and open progress and open progress and open progress are progress of the prog
6.0 6.0 6.0 6.0 6.0 6.0 6.0 172 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 2 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 374 6.0 6.0 374 6.0 6.0 374 6.0 6.0 374 6.0 6.0 374 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	6.0 6.0 6.0 6.0 6.0 6.0 7.9 6.0 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9	5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9	5.9 2426 2 QUENAC 5.9 161 2 QULPM7 5.9 167 2 Q95L83 5.9 1455 2 Q68L83 5.9 2365 2 Q68L93 5.9 2365 2 Q68L93 5.9 3523 2 Q70CP4 5.8 236 2 Q72AA0 5.8 2139 1 CRB DROME 5.8 2139 1 CRB DROME 5.8 2364 1 PGCA BOVIN 7 5.8 2364 1 MTC2 MOUSE 6 5.8 2470 1 MTC2 MOUSE 6 5.8 2470 1 MTC2 MOUSE 7 5.8 2470 1 MTC2 MOUSE 6 5.8 2470 1 MTC2 MOUSE 6 5.8 2470 1 MTC2 MOUSE 7 5.8 2470 1 MTC2 MOUSE	5.8 250 2 5.8 2146 2 5.8 1218 1 5.8 1218 1 5.8 2556 1 5.8 2810 2 5.8 281 2 5.8 281 2 5.8 281 2 5.8 1348 2 5.8 1348 2 5.8 1348 2 5.8 1348 2 5.8 1348 2
1123		444 4444	360 369 369 369 370 371 372 373 374 375 148 376 147 376 147 379 147 380 380 147 381 147 381 381 381 381 381 381 381 381 381 381	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Q91pm6 arabidopsis Q39186 arabidopsis Q39186 arabidopsis O65157 capsicum an Q88xr7 anguilla ja Q84j76 oryza sativ Q18538 caenorhabdi Q9v031 drosophila Q9v181 drosophila Q9v182 rattus norv Q9zns4 arabidopsis Q90556 gallus gall Q90wm2 xenopus lae	Q946w2 brassica ca P35792 brordeum vul Q16937 ancylostoma Q61483 mus musculu Q6pfv7 mus musculu Q6ysf8 oryza sativ P35785 vespula pen Q93746 caenorhabdi P3779 solenopsis P10736 dolichovesp Q9gpm8 caenorhabdi Q7tq52 mus musculu Q7tq52 mus musculu Q7tq51 mus musculu Q01705 mus musculu	Q8K428 mus musculu Q7k450 mus musculu Q88281 rattus norv Q00548 homo sapien Q9wq47 drosophila Q7ku08 drosophila Q7ku0 brachydanio Q7fpsw8 anopheles g Q75253 lucilia cup Q8tek2 homo sapien Q8tek2 homo sapien	QUANATA TO EXCUPATION OF GOVERATOR OF A CASE O	0(1)12 mis misculu 0(1)92 mis misculu 0910402 homo sapien 095317 heterodera 07674 necator ame 07674 necator ame 07674 brachydanio 057462 brachydanio 057462 brachydanio 057462 prachydanio 018549 caenorhabdi P07898 gallus gall P79787 gallus gall
00000000000000		00000000000000000	2 0860WT3 2 08670Z 2 07XAD8 2 091LDA3 2 091LDA3 2 0910Z 2 0910Z 2 05173 2 0511H1 2 0721H1 2 070Z8 2 070Z8	0010000000000
			6.1 1476 6.1 1483 6.1 1619 6.1 1619 6.1 172 6.1 172 6.1 172 6.1 1747 6.1 1718 6.1 1718 6.1 1718 6.1 1718 6.1 1718	iiooooooooooo
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2995 2995 2996 2996 155 2998 154.5 300 154.5 302 154.5 304 154.5 306 154.5 306 154.5 306 154.5 307 154.5 308 154.5 308 154.5 308 154.5 308 154.5 308 154.5 308 154.5 308 154.5 308 154.5 308 308 308 308 308 308 308 308 308 308	1 1 1 1 1 2 1 2 2 1

2005
13:20:04
Feb 18
Fri 1

Q29116 sus scrofa Q99466 homo sapien Q9%6v6 gallus gall Q883W2 cucumis sat Q91984 mus musculu Q895b6 volvox cart Q7prv4 anopheles g Q64495 oryza sativ Q7kpy6 lucilia cup	Oggm4 onchocerca P34927 mus musculu G6uy11 homo sapien Q27340 megabalanus Q2065 caenorhabdi Q6k617 oryza sativ P10716 ratus norv Q8t400 lytechinus Q19350 caenorhabdi	Q6mg89 rattus norv Q9m0j1 bos taurus Q9m21 pan troglod Q0m241 pan troglod P02707 gallus gall P02707 catlus norv Q72499 homo sapien Q6cuz7 kluyveromyc Q88671 rattus norv Q97219 homo sapien	0990% Dracopyania 0990% Dracopyania 087494 mus musculu 041216 arabidopsis 054707 mus musculu 054708 mus musculu 054708 paccharomyc 070074 rattus norv P82279 homo sapien 08wwy0 homo sapien 08wwy0 homo sapien	Q86944 macaca fasc Q61227 culex quinq Q8c351 mus musculu P49013 strongyloce Q613j7 drosophila Q8c979 mus musculu Q8k4G6 mus musculu P59222 mus musculu P59227 homo sapien Q96eq3 homo sapien Q96eq3 homo sapien Q96eq3 homo sapien Q96eq3 homo sapien Q96eq3 homo papien Q96eq3 homo sapien Q96eq3 homo sapien Q96eq3 homo sapien	Q95100 macaca fasc Q70e20 mus musculu 001335 caenorhabdi Q6tpk5 gallus gall Q8hy10 hylobates c Q8k0h9 mus musculu Q45132 haemonchus Q66df3 lithobius f Q71203 paramecium P10041 drosophila Q71899 mus musculu Q28858 macaca neme Q8terO homo sapien P49260 oryctolagus Q24550 drosophila Q9vyn8 drosophila Q9vyn8 drosophila Q9tyn8 jaedes aegyp Q8f9u5 jaedes aegyp Q95yg0 ciona savig
140 5.5 1746 140 5.5 2003 139.5 5.5 240 139.5 5.5 284 139.5 5.5 284 139 5.5 2754 139 5.5 1724 139 5.5 1724	138.5 5.5 224 2 138.5 5.5 224 2 138.5 5.5 383 1 138 5.5 195 2 14 2 138 5.5 204 2 138 5.5 204 2 138 5.5 7794 2 138 5.5 7794 2 138 5.5 77	138 5.5 1961 2 137.5 5.4 111 2 137.5 5.4 207 1 137.5 5.4 207 1 137.5 5.4 283 1 137.5 5.4 311 1 137.5 5.4 315 1 137.5 5.4 1238 1	137.5 5.4 1242 137.5 5.4 1247 137.5 5.4 103 137 5.4 103 137 5.4 179 137 5.4 299 137 5.4 299 137 5.4 1316 137 5.4 1316 137 5.4 1316 137 5.4 1376 136.5 5.4 179	136.5 5.4 179 2 136.5 136.5 5.4 179 2 136.5 5.4 183 2 136.5 5.4 570 1 136.5 5.4 742 2 136.5 5.4 849 2 136.5 5.4 1677 1 136.5 5.4 1477 1 136.5	376 2 11403 2 11403 2 11403 2 1110 2 1111 2 1111 2 1111 2 111 2 11 2 11 3 11 3
Q9ddd4 gallus gall Q86f86 schistosoma Q8mj16 bos taurus Q40448 nicotiana g Q75jh0 dictyosteli Q25058 heliocidari Q21204 mus musculu Q61204 mus musculu	091194 pyrus pyrus 092595 mus musculu 095244 sus scrofa 07244 anopheles g 09ji71 mus musculu 062416 homo sapien 042347 gallus gall	Q66603 thalassophr P08290 rattus norv Q869K5 ancylostoma Q80M64 mus musculu Q80M17 mus musculu Q80M17 mus musculu P97607 rattus norv Q8axr8 anguilla ja Q6K917 oryza sarcharomyc	Q868K4 dictyosteli Q868K4 dictyosteli Q90y55 brachydanio Q90y5 brachydanio Q90w30 rattus norv Q18977 bos taurus Q66616 oryza satiuv Q911k1 rattus norv Q911j5 pyrus pyrif Q911j5 pyrus pyrif	Q05108 dolichovesp Q20603 caenorhabdi Q20603 caenorhabdi Q9804 rattus norv Q62779 rattus norv Q816x0 ancylostoma Q4185 solanum tub Q61806 culex quinq Q6866 culex quinq Q6866 culex quinq Q6861 mus musculu P13508 caenorhabdi Q7qfs2 anopheles g	Q901012 homo sapien Q68683 homo sapien Q68063 homo sapien Q65452 homo sapien Q96794 heterodera Q96794 heterodera Q96792 mus musculu Q25059 heliocidari Q9vr61 homo sapien Q962w9 podocoryne Q9072 mus musculu Q962w2 mus musculu Q962w2 podocoryne Q90712 rattus norv Q90715 homo sapien Q90715 homo sapien Q96712 rattus norv Q90716 q1ycine max Q86fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca Q96fx1 onchocerca
5.7 201 2 5.7 215 2 5.7 1415 2 5.7 1415 2 5.7 415 2 5.7 529 2 5.7 686 2 5.7 1687 1	144 5.7 142 2 144 5.7 223 2 144 5.7 229 2 144 5.7 229 2 144 5.7 465 1 144 5.7 1176 2 144 5.7 2333 1	5.7 159 2 5.7 301 1 5.7 424 2 5.7 1044 2 5.7 1034 2 5.7 1034 2 5.7 163 2 5.7 163 2 5.7 163 2 5.7 163 2	5.7 881 1 5.7 9881 1 5.7 1216 2 5.7 1254 2 5.7 1254 2 5.7 4135 2 5.6 266 1 5.6 306 1	5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 6.83332 5.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	141.5 5.6 2144 2 Q9ULU2 141 5.6 151 2 Q0BUS3 141 5.6 151 2 Q0BUS3 141 5.6 196 2 O62507 141 5.6 212 2 Q9CG4 141 5.6 212 2 Q9CG4 141 5.6 212 2 Q9SID5 141 5.6 212 2 Q9SID5 141 5.6 559 2 Q9VZ44 141 5.6 685 1 DLL4_HUMAN 141 5.6 1218 1 JAGI_MOUSE 141 5.6 1218 1 JAGI_MOUSE 141 5.6 1218 1 JAGI_MOUSE 140.5 5.6 2570 1 SBNI HUMAN 140.5 5.6 224 2 Q9SID4 140.5 5.6 664 2 Q9SID6 140.5 5.6 664 2 Q9SID6

O75094 homo sapien O94024 mus musculu Q61292 mus musculu Q61314 anopheles g Q96877 mus musculu Q81412 hylobates I Q61683 gallus gall Q02858 mus musculu Q81412 hylobates I Q02858 mus musculu Q81412 hylobates I Q02858 mus musculu Q81413 homo sapien Q81413 homo sapien Q81413 homo sapien Q81413 homo sapien Q81413 denorhabdi Q9244 caenorhabdi Q9246 caenorhabdi Q9240 caenorhabdi Q9240 caenorhabdi Q9240 parrowia II Q88201 rattus norv G8411 homo sapien Q92543 mus musculu Q92543 mus musculu Q92543 mus musculu Q92543 mus musculu Q92543 dictyosteli P26611 mus musculu Q92541 homo sapien Q9358 caenorhabdi Q9264 gallus gall Q24551 drosophila Q9186 drosophila Q9186 drosophila Q94273 brachydanio Q9081 caenorhabdi Q97457 braches g Q42373 brachydanio Q9081 caenorhabdi Q97459 giardia lam Q7459 mus musculu Q92477 mus musculu Q92477 mus musculu Q9454 mus musculu Q9454 mus musculu Q94544 mus musculu Q94544 mus musculu Q94544 mus musculu	081499 cupientius 086917 glomeria ma 086917 glomeria ma 086917 glomeria ma 086917 homo sapien 075093 homo sapien 075093 homo sapien 080891 heterodera 080892 arabidopsis 078611 homo sapien 080898 homo sapien 080898 homo sapien 080898 homo sapien 080898 homo sapien 080894 manduca saz 066894 manduca sex 066283 homo sapien
1523 1 SLT3 HUMAN 2 1523 1 SLT3 HUMAN 2 2811 2 QV645 2 2811 2 QV645 3 567 2 Q9ES77 2 239 1 2 Q6T6 63 2 1122 1 TIE2 MOUSE 2 2201 1 TIE2 MOUSE 2 2201 1 TIE2 MOUSE 2 2201 1 TIE2 MOUSE 2 200 2 QTTGG 2 Q QTTGG 2 Q QTTGG 2 Q QTTGG 1 1070 2 Q8T3A7 1 1070 2 Q8T3A7 1 1070 2 Q8T3A7 1 111 2 Q8TAB7 1 112 2 Q8TAB7 1 112 2 Q8TAB7 1 113 2 Q9TAB7 1 113 2 Q9TAB7 1 113 2 Q9TAB7 1 110 2 Q9TAB7 1 110 2 Q9TAB7 1 111 2 Q9TAB7 1 112 2 Q9TAB7 1 113 2 Q9TAB7 1 113 2 Q9TAB7 1 113 1 TIEL BOVIN 1 1203 2 Q8EEPH 2 Q9EEPH 2 209 1 WIFT HUMAN	427 450 13160 10534 1075 11075 11075 11075 1276 1276 1276 1276 1276 1276 1276 1276
616 617 618 619 620 620 621 622 623 623 624 625 624 625 631 631 631 631 631 631 632 633 633 633 633 633 633 633	1288.5.5 1288.5.5.5 1288.5.5.5 1288.5.5.5 1288.5.5.5 1288.5.5.5 1288.5 1288.5 1
066804 oikopleura 0810h2 mus musculu 094813 homo sapien 094813 homo sapien 094814 homo sapien 084814 homo sapien 0865611 mus musculu 0865611 mus musculu 0865611 mus musculu 085671 homo sapien 085947 homo sapien 081743 homo sapien 081781 homo sapien 08181 paramecium 08181 homo sapien 08181 paramecium 09182 homo sapien 08181 paramecium 09182 homo sapien 08181 paramecium 09182 homo sapien 08181 homo sapien 08181 paramecium 09182 darlus gall 09184 darlus gall 09185 gallus gall 09185 xenopus lae 09186 xenopus lae 09189 mus musculu 075ww8 branchiosto 08180 tus musculu 075ww8 branchiosto 08185 candida gla 09181 xenopus lae 06181 xenopus lae 08181 xenopus lae	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2 Q66S04 2 Q810H2 2 Q70B67 2 Q910Z24 2 Q910Z34 2 Q910Z34 2 Q910Z34 2 Q910Z34 2 Q910Z34 2 Q910Z34 3 Q10Z34 3 Q10Z34 2 Q910Z97	2 Q9UJT9 1 LIT2 MOUSE 2 Q17450 2 Q17450 2 Q8WY77 Q8WY77 Q QWY70 2 Q6W70 2 Q6W70 2 Q6W72 2 Q6W72 2 Q6W72 2 Q6W72 2 Q6W72 2 Q6W72 2 Q6W73 1 LR1B MOUSE 2 Q77221 2 Q6BX29 2 Q6BX29 2 Q6BX29 2 DKR HUMAN 2 Q966Y6 1 ITB7 HUMAN
135 5.3 824 135 5.3 1055 135 5.3 1055 134.5 5.3 11529 134.5 5.3 1529 134.5 5.3 1529 134.5 5.3 1529 134.5 5.3 1529 134.5 5.3 1742 134.5 5.3 1742 133.5 5.3 1742 134.5 5.3 1742 135.5 5.3 1742 135.5 5.3 1742 137.6 5.3 1742 137.7 5.3 1742 138.7 5.3 1742 139.8 5.3 1742 130.8 5.3 1742 130.8 5.3 1742 131.8 5.3 1742 132.5 5.3 1742 133.7 5.3 1742 133.7 5.3 1742 133.7 5.3 1742 133.7 5.3 1742 133.7 5.3 1742 134.5 5.3 1742 135.7 5.3 1742 135.8 5.3 1742 137.8 5.3 1742 137.8 5.3 1742 138.8 5.3 1742 139.8 5.3 1742 130.8 5.3 1742 130.	######################################

Q20204 caenorhabdi Q72393 homo sapien Q8mbt9 homo sapien Q97994 homo sapien Q07994 homo sapien P11670 nicotiana t Q7q114 anopheles g Q6csb2 kluyveromyc Q7qt01 giardia lam Q00546 gallus gall	P91226 caenorhabdi Q7xxi2 xenopus lae Q7xxi2 xenopus lae Q7prp5 anopheles g Q91b90 cyprinus ca Q7xxq8 oryza sativ Q92553 m natural k Q80w06 mus musculu Q68516 mus musculu Q68516 mus musculu Q68516 mus musculu Q68517 mus musculu Q68517 homo sapien Q9584 homo sapien Q9584 homo sapien	P05451 homo sapien Q9w012 drosophila Q9w012 drosophila Q8uum9 oryzias lat Q8irh8 drosophila Q96w8 homo sapien Q96dn2 homo sapien Q6dn2 homo sapien Q6dg82 mus musculu Q6ggk6 paramecium P19137 mus musculu P26258 carcharhinu Q7q7f8 anopheles g Q75fa9 ashbya goss Q6mv86 neurosopora	mus mus mus mus neurosp homo sa rattus gorilla xenopus mus mus homo sa homo sa homo sa docosoph bothrop	P50404 mus musculu Q81497 cupiennius Q865K4 ancylostoma Q865K6 ancylostoma Q865K6 ancylostoma Q865K6 ancylostoma Q855K8 homo sapien Q15568 homo sapien Q92752 homo sapien Q60767 mus musculu P98133 bos taurus Q50wi8 bungarus fa Q50wi8 bungarus fa Q50wi8 homo sapien Q6mc23 homo sapien Q4538 homo sapien Q4538 homo sapien Q4538 homo sapien Q46083 cercopithec
1410 2 1441 2 1497 2 1704 2 1747 1 1 174 1 1 368 2 1353 2 1353 2 1353 2 1353 2 1354 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 1372 2 P915 9 1529 2 Q72X 9 163 2 Q7EX 9 163 2 Q7EX 9 182 2 Q7XEX 9 592 1 DLL3 9 647 2 Q6PA 9 1134 1 TIEL 9 1134 1 QEE 9 1323 2 Q7Z3 9 1323 2 Q7Z3 9 1323 2 Q7Z3 9 1323 2 Q7Z3	1166 1288 1288 1288 1288 1288 1288 1288	2393 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4.8 374 1 PSPD MOUSE 4.8 438 2 Q814497 4.8 451 2 Q866K4 4.8 508 2 Q866K6 4.8 1358 2 Q1556 4.8 1358 2 Q1556 4.8 1358 2 Q1556 4.8 1358 2 Q1556 4.8 1351 2 Q7553 4.8 2871 1 FBNI—BOVIN 4.8 3102 2 Q48148 4.8 195 2 Q6KH18 4.8 195 2 Q6KH18 4.8 195 2 Q6KH18 4.8 195 2 Q14538 4.8 269 2 Q14538 4.8 308 2 Q46370 4.8 311 C209—FAPHA 4.8 381 1 C209—FAPHA
762 124.5 763 124.5 764 124.5 765 124.5 766 124.5 767 124.7 770 124				816 817 817 819 819 820 821 821 823 823 824 122 825 826 826 827 828 828 828 829 829 829 829 829 829 829
O6t256 homo sapien O90wz3 xenopus lae O75596 homo sapien P43025 mus musculu Q6cfz6 mus musculu Q6uxf5 homo sapien Q7zlh2 ancylostoma O44932 brugia mala O740m9 ancypheles g	Q911X4 sus scrotca Q911X4 sus scrotca Q81200 acdes acgyp Q18375 drosophila Q18375 drosophila Q91737 homo sapien Q91737 homo sapien Q90zn3 gallus gall Q90zn3 gallus gall Q90zn3 gallus gall Q90zn3 wucheretta Q90zn3 wucheretta Q9749 wucheretta Q9749 wucheretta	3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Q8jhv8 brachydanio Q70244 rattus norv Q8hy06 gorilla gor Q9nak5 caenorhabdi Q62nb8 homo sapien Q61789 mus musculu Q9nzr2 homo sapien Q9v383 drosophia Q7t228 bothrops ja P21963 crotalus at Q868C2 mytilus tro Q86mOl mytilus tro Q86mOl mytilus tro Q807q15 giardia lam Q90143 gallus gall	090x94 gallus gall 090x94 gallus gall 006807 bos taurus 060449 homo sapien 0920p9 mesocricetu 072575 homo sapien 072577 homo sapien 072576 homo sapien 097x969 giardia lam 097x96 giardia lam 097x90 drosophila 08097 rattus norv 07849 rattus norv 080443 rattus norv 081443 rattus norv 081443 caenorhabdi 065484 caenorhabdi 065896 mus musculu 08msx5 drosophila
000000000000000000000000000000000000000	, и н и и и и и и и и и и	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0010011001001000	0 2 Q90X244 5 1 TIE2_BOVIN 3 1 PAZE_BOVIN 2 1 LY75_HUMAN 2 1 LY75_HESAU 2 1 LY75_MESAU 7 2 Q72575 3 2 Q72576 3 2 Q72577 1 1 FRNZ HUMAN 6 2 Q78736 6 2 Q9N0V8 6 2 Q9N0V8 7 2 Q9N0V8 8 1 FSBD_RAT 8 1 RSBD_RAT 8 1 R
				125 4.9 1055 125 4.9 1055 125 4.9 1125 125 4.9 1125 125 4.9 1722 125 4.9 1722 125 4.9 1722 125 4.9 1817 124.5 4.9 205 124.5 4.9 205 124.5 4.9 205 124.5 4.9 331 124.5 4.9 331 124.5 4.9 331 124.5 4.9 344 124.5 4.9 344 124.5 4.9 344 124.5 4.9 344
88 90 90 90 90 90 90 90 90 90 90 90 90 90	700 700 700 700 700 700 710	712 713 714 716 720 723 724 725	727 727 7320 7332 7336 7336 740 740	7447 74444 74446 74446 7755 7755 7759 760

11   C.COP   FILES   CONTROL   CON	Q8w377 oryza sativ Q7x87 oryza sativ Q7x87 oryza sativ Q7475 anopheles g Q86m05 mytilus gal Q6wnb6 strongyloce Q81rt6 ostertagia Q7qer8 anopheles g Q7qer8 anopheles g Q7qer8 anopheles g Q7csj3 giardia lam Q20852 caenorhabdi Q8m1x3 caenorhabdi Q8m1x3 caenorhabdi	caenorhabd caenorhabd caenorhabd caenorhabd caenorhabd caenorhabd arabidopsi arabidopsi arabidopsi arabidopsi arabidopsi arabidopsi arabidopsi	anophele anophele homo sar homo sar homo sar coryctola coryctola giardia drosophi mus musc chironom mus musc musc musc musc musc musc musc musc	Q86794 Writius gal Q86794 Writius edu Q866002 Wrtilus edu Q866004 Wrtilus edu Q86468 Wus musculu Q86468 wus musculu Q56462 Wrtilus edu O16854 Onchocerca Q99711 homo sapien Q97212 homo sapien Q97212 homo sapien Q91498 cupiennius Q91498 cupiennius Q91498 cupiennius Q91498 cupiennius Q91498 cupiennius Q91498 cupiennius Q81498 cupiennius Q91498 cupiennius Q90415 caenorhabdi Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y3 mesocestoid Q664y1 fugu rubrip Q957q1 drosophila Q957q1 drosophila Q957q1 drosophila Q957q1 drosophila Q957q1 mus musculu Q92200 mus musculu Q92200 mus musculu Q92200 mus musculu Q924689 rattus norv
181 1 C209 HYLEY OBHYOL 400 1 C209 HYLEY OBHYOL 500 2 OBHZ68 1155 2 OBEGGE OBEGGE OBHYOL 500 2 OBHZ68 1155 2 OBEGGE OBEGGE OBEGGE OBHYOL 500 2 OBHZ68 1155 2 OBEGGE	119 4.7 139 2 119 4.7 139 2 119 4.7 153 2 119 4.7 180 2 119 4.7 180 2 119 4.7 231 2 119 4.7 231 2 119 4.7 250 2 119 4.7 646 2 119 4.7 647 2	119 4.7 647 2 119 4.7 641 2 119 4.7 221 2 119 4.7 221 2 118 5 4.7 259 2	118.5 4.7 260 2 118.5 4.7 260 2 118.5 4.7 342 2 118.5 4.7 551 1 118.5 4.7 551 1 118.5 4.7 551 1 118.5 4.7 1059 2 118.5 4.7 1060 2 118.5 4.7 1060 1 118.5 4.7 1061 1 118.5 4.7 1061 1 118.5 4.7 1100 1 118.7 4.7 1100 1	118 4.7 180 2 08670 118 4.7 180 2 08670 118 4.7 180 2 08670 118 4.7 210 2 08670 118 4.7 210 2 08670 118 4.7 261 2 09670 118 4.7 261 2 09670 118 4.7 674 2 09670 118 4.7 770 2 09071 118 4.7 770 2 09071 118 4.7 770 2 09071 119 5 4.6 156 2 06070 117.5 4.6 257 2 08707 117.5 2 08707 117.5 2 08707 117.5 2 08707 117.5 2 08707 117.5 2 08
8 4 4 0 4 9 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	Q8hy02 hylobates s Q8hy01 hylobates c Q8hy03 hylobates 1 Q8hz48 oryctolagus Q86585 pseudoplusi Q86585 pseudoplusi Q8by19 mus musculu Q7588 homo sapien P15215 drosophila Q22774 caenorhabdi P3555 homo sapien Q61555 mus musculu Q61554 mus musculu Q61554 mus musculu	Q75n87 homo sapien 060494 homo sapien P48304 homo sapien P48304 homo sapien 095xz4 caenorhabdi 064228 mus myculu 078126 muscaca neme 09mx6 homo sapien 095196 macaca mula 086499 bos taurus 096490 hos taurus 086407 bos taurus 086407 bos taurus 086407 caenorhabdi 021980 caenorhabdi	Qynydd homo sapien Qynydd homo sapien Qyzrij drosophila Qyzij drosophila Qyna92 caenorhabdi Qysa2 ashbya goss Qylx3 homo sapien Qshx3 homo sapien Qshx6 pan troglod Ql8424 caenorhabdi Q6pae0 xenopus lae Q60vis xenopus lae Q60vis mus musculu Q81xb8 homo sapien Q80xx8 homo sapien Q80xx8 was musculu	001768 caenorhabdi 09801768 caenorhabdi 0990000000000000000000000000000000000
र्ण पंच	.8 381 1 .8 4504 1 .8 450 2 .8 580 2 .8 1356 2 .8 1358 2 .8 1358 2 .8 1358 2 .8 2014 2 .8 2014 1 .8 2871 1 .8 2871 1	8 3823 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3014 1 1 155 2 2 1 155 2 2 1 155 2 2 1 155 2 2 1 155 2 2 1 1 1 1	200 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

anop homo caen homo equu homo xeno homo homo	Q8ciz8 mus musculu Q9r0m0 mus musculu Q9xyx4 hydra oliga Q20928 caenorhabdi Q7v7b4 prochloroco Q6in38 rattus norv Q9h8s1 homo sapien	Q751x5 ashbya goss Q931x0 caenorhabdi Q9ji33 mus musculu Q8r2h2 rattus norv P18084 homo sapien Q8qut7 infectious Q8tdx7 homo sapien Q9w737 gallus gall	nome rattrattrattrated	066899 mus musculu 09r0b6 mus musculu 06utr2 hippocampus 08wqq3 calliphora 08u520 caenorhabdi 08t521 caenorhabdi 08t522 caenorhabdi 08t522 caenorhabdi 08t522 caenorhabdi 08t523 caenorhabdi 08t523 caenorhabdi 08t523 caenorhabdi 08t523 caenorhabdi 08t65460 mus musculu 095460 homo sapien	Q9qw15 mus sp. bet 054890 mus musculu 064906 kenopus lae Q6btq2 debaryomyce Q9bps2 bombyx mori Q8mvw6 naegleria g Q7z7m0 homo sapien Q94710 paramecium Q8axb7 brachydanio Q80025 salmo salar	O18519 haemonchus O7pnos anopheles g O9w3w5 drosophila O9m3w5 drosophila O8m3w5 drosophila O8m3w5 drosophila O7d46 anopheles g O6pe70 mus musculu O92832 homo sapien O6msy8 homo sapien O6msy8 caenorhabdi O61092 mus musculu O8c1092 mus musculu O8c1092 mus musculu O8c1092 mus musculu O8c105 mus musculu
пппппппппппп	01000000	000000000	1000001100	a 4 a a a a a a a a a a	2 090W 2 090W 2 090BP 2 09BP 2 09BP 2 0947	10004000400400
				**************************************		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5 1114.5	111 14.5 1114 1114 1114 1144 1144	* * * * * * * * * * * * * * * * * * *	114 114 113.5 113.5 113.5 113.5 113.5 113.5	113.5 113.5 113 113 113 113 113 113		112.5 112.5 112.5 112.5 112.5 112.5 112.5 112.5 112.5 112.5
		1073 1074 1075 1076 1070 1079			1100 1100 1100 1100 1100 1111	11115 11116 111110 111110 11120 11121 11224 11225
P15800 rattus norv Q91210 mus musculu -088278 rattus norv Q7153 homo sapien Q815w3 caenorhabdi Q815w3 caenorhabdi Q8659 mus musculu P43137 mus musculu Q8wt12 caenorhabdi Q86000 mytilus tro	Q61970 mus musculu Q7pxx0 anopheles g 097413 anopheles g Q8aqb8 bos taurus Q8mp01 halocynthia Q66py1 mus musculu 073791 brachydanio	mus caer homc ratt megs bos bos		Q8C912 mus musculu Q86u29 homo sapien Q86u29 homo sapien Q8ux30 homo sapien Q70x6 mus musculu Q70x6 sapien Q8c5x1 mus musculu Q8c5x2 caenorhabdi Q8c5x5 caenorhabdi Q8c5x9 caenorhabdi Q8c5x9 caenorhabdi Q8c5x2 caenorhabdi	QBESWB Caenorhabdi QBESW1 caenorhabdi QBESW7 caenorhabdi QBESW4 caenorhabdi QBOW16 bungarus mu Q28278 canis fami QBVdV0 mus musculu QBMGD0 mus musculu QBMGD0 mus musculu QBMGT brachydanio QBMG mus musculu	Q96/88 Bennstocerc Q94yp2 rattus norv Q9ded0 gallus gall Q9rde8 mus musculu Q9biq6 cooperia pu Q9ntf1 homo sapien Q9mtf1 homo sapien Q9mtg7 brachydanio Q9qwf brachydanio Q9qwf rattus sp. Q90827 gallus gall Q9nc90 strongyloce Q8jhv7 brachydanio Q6y19 drosphila
						64
LMB2_RAT CLR3_MOUSE CLR3_RAT Q7LC53 Q8T5W3 Q8T5W3 Q8C6F9 Q8C6F9 Q8WTL2 Q8WTL2 Q8WTL2	051970 071970 097413 085QB8 Q8MP01 Q66PY1 Q66PY1 Q66PY1	QUENT OF THE PER OF TH	09.003 09.003 09.0307 09.4438 UMB2 HUMAN 08.065 08LRN1 07.PFW3 099740	QBCGSA QBCGSA QBCGSA QBCX3 QCTX3 QCTX3 QCTXA QBTSWS QBTSWS QBTSWS QBTSX2	Q8T5W8 Q8T5X1 Q8T5X1 Q8T5X4 Q90W16 Q90W1C Q8UDVO Q8BWS0 Q57587	0.956788 CLR2 RAT 0.90ED0 0.90EQ0 0.90
44400004000	10000000	v - 0 - 1 0 - 1 0 0 0 0	4000000000	00000H000000	0000110000	1168 2 096788 2144 1 CIRZ FAT 191 2 090820 214 2 090820 252 2 090816 253 2 090817 379 1 WIF1 MOUSE 379 1 0610W7 545 2 090816 816 1 NEL CHICK 1075 2 090816 1785 2 090816 1785 2 090816
1801 33301 1233 1234 1254 1264 1266 1172 1172 1180 1190 1190	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,499 22132 22132 23132 161 162 190 260 260 260 260 260 260 260 260 260 26		693 693 693 1296 1296 1751 1751 123 124 126 127 2	.6 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2 2 128 2	2 CG857 2 CG867 2 CG806 2 CG806 2 CG806 1 WIF1 1 WIF1 2 CG10 <sup>M</sup> 2
4.6 1801 1 4.6 3313 1 1 4.6 3313 1 1 4.6 3313 1 4.6 12.4 2 4.6 11.2 4.6 11.2 5 2 4.	4.6 223 2 4.6 253 2 4.6 250 2 4.6 4.6 993 2 4.6 1116 1	117 4.6 2139 2 1117 4.6 2139 2 2 1117 4.6 2139 2 1117 4.6 31312 1 117 4.6 31312 1 152 2 5.5 4.6 190 2 5.5 5.5 4.6 190 2 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5	4.6 1623 2 2 4.6 1623 2 4.6 1623 2 4.6 1623 2 4.6 4998 2 4.6 4998 2 4.6 4998 2 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	116 4.6 6952 2 116 4.6 6952 2 116 4.6 993 2 116 4.6 1296 1 116 4.6 1296 1 116 4.6 1751 2 1171 2 118 4.6 124 2 118 4.6 126 2 118 4.6 126 2 118 4.6 126 2 118 2 2 118 2 2 118 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4.6 4.6 129 4.6 129 2.6 129 2.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	5.5 4.6 1168 2 09678 115 4.6 1144 1 CLR2 115 4.5 2144 2 09DR2 115 4.5 248 2 09BR2 115 4.5 252 2 09BR2 115 4.5 379 1 WIFT 115 4.5 45 2 09DR3 115 4.5 1785 2 09DR3

mus m bos t rattu rattu paral caeno caeno homo thala	Q8iwll homo sapien Q8iwll homo sapien Q101g4 enchytraeus Q924y6 rattus norv Q72xf0 chimpansee O95965 homo sapien Q9hb63 homo sapien Q9hb63 homo sapien Q6426 rattus norv Q6426 rattus norv Q6426 rattus norv Q66414 mus musculu P07228 gallu gallu G7401 giandialam	Q88pm4 bos trautus Q88pm4 bos trautus Q98kr2 mus musculu Q99kr2 mus musculu Q914q8 cooperia pu Q17377 caenorhabdi Q8tcd8 homo sapien Q976f7 caenorhabdi Q5qr9 caenorhabdi Q7x630 giardia lam P28799 h granulins Q6qr14 canis famil Q7xw15 xenopus lae Q80va2 mus musculu	0699ml xenopus lae 097702 canis famil 09tun7 canis famil 09tun7 canis famil 08bu43 m mus muscul 0891p0 sus scrofa 061220 mus musculu 080um5 mus musculu 0741j5 anopheles g 08bm06 mus musculu 080x19 mus musculu 090x19 mus musculu 005793 mus musculu 090x19 mus musculu	USPYJUS MAGGEA I KBC QUYJUS MAGGEA I KBC QUYJUS MUSE MUSCULU QBGODD MUSE MUSCULU QBMUSS MUSE MUSCULU QBDIQT COOPERIA DOV Q22378 CAENORHADDI QBDIQT COOPERIA DO QBSXXZ CAENORHADDI QBSXXZ CAENORHADDI QBXXMT STONIGA Q20979 CAENORHADDI QBXXMT STONIGALO Q4962 CAVIA DOCCE Q4962 CAVIA DOCCE Q57712 DOS TAUNUS Q79688 GIARDIA DAN Q865M6 FABRUS Q7966677 STONIGALIA
1 KUCR MOUSE 2 QBBLZB 2 QBSQC0 1 NEL2 RAT 2 QBR417 2 QBUW86 2 Q20911 2 Q19319 2 Q19319 2 QGVXSB 2 QGVXSB 2 QYOF6 2 QSYOF6 3 QSYOF6				2 Q9VUJS 2 Q7VUJS 2 Q9VUJS 2 Q8C0B0 2 Q9WUS9 2 Q9SXP4 2 Q5SX72 2 Q9SXZ77 2 Q9SXZ77 2 Q9XZM7 2 Q9XZM7 1 TRAI BOVIN 1 TRAI BOVIN 2 Q7QSXB 2 Q7QSXB 3 C7QSXB
				2002 7002 7000 7000 7000 7000 7000 7000
				,
110 110 110 110 110 110 110 110 109.5	00000000000000000000000000000000000000	10000000000000000000000000000000000000	10000000000000000000000000000000000000	1008.5.5.00.00.00.00.00.00.00.00.00.00.00.00
				1255 1255 1256 1257 1260 1261 1265 1265 1266 1270 1270
Q75n90 homo sapien Q9xzc9 drosophila Q8ip51 drosophila P10758 rattus norv O35778 rattus norv Q7t3m7 gallus gall Q9xu17 caenorhabdi Q6bxp9 debaryomyce Q7t3m8 gallus gall Q9yiu8 drosophila Q9yiu8 drosophila Q9n3v9 caenorhabdi Q0n3v9 caenorhabdi	O7qyhB giardia lam Q0xg2 gallus gall Q863c4 ovis aries Q7qi37 anopheles g Q7qq4 qiardia lam Q18823 caenorhabdi Q80027 salmo salar Q80727 mus musculu Q80v54 mus musculu Q7qwd2 giardia lam Q9et61 rattus norv Q14339 homo sapien	Q7pn80 anopheles g Q7pn80 anopheles g Q15230 homo sapien Q8tdf8 homo sapien Q9tsn0 bitis ariet Q6ttV0 bos taurus Q8wy28 homo sapien Q9xz44 lutzomyza l Q7jnV0 caenorhabdi Q7jnV7 caenorhabdi Q7jnV7 caenorhabdi Q6fb08 homo sapien Q6fb08 homo sapien Q6dig3 xenopus tro Q6dig3 xenopus tro Q9r098 mus musculu	Q8Vcs4 mus musculu Q96js2 homo sapien Q9435 homo sapien Q9435 homo sapien Q9435 homo sapien Q71g60 red sea bre G35161 mus musculu Q7ppf9 anopheles g Q9byz8 homo sapien Q9txQ9 oryza sativ Q9ub03 wuchereria Q8wqq9 homo sapien Q72389 homo sapien Q72389 homo sapien Q72389 homo sapien Q6mg84 rattus norv Q8c6u7 mus musculu Q8mg79 csenorhadi	O35370 rattus norv Q6uy05 homo sapien Q6s397 cillamydomon Q75188 dictyosteli P54643 dictyosteli P54643 dictyosteli O70309 mus musculu Q9nas7 anopheles g Q7q555 anopheles g Q9nja5 babesia bov Q7q319 anopheles g Q9nja5 babesia bov Q7q319 anopheles g Q8muk9 strongyloce Q4444 caenorhabdi Q6qh77 brachydanio P36110 saccharomyc Q9vgx3 drosophila P35247 homo sapien Q86yk9 homo sapien
	2 070XH8 2 090XG2 2 090XG2 2 070137 2 070274 1 LML1 CABEL 2 080057 2 080054 2 070WD2 2 070WD2 1 CD93_RAT			2 035370 2 050705 2 050397 2 050397 3 07578 1 1TB5 MOUSE 2 070855 2 070855 2 070319 2 060477 1 PRV2 YEAST 2 090073 1 PSPD HUMAN 2 086 YK9
				5594 6640 6640 6670 11292 11669 1166
य य य य य य य य य य य य य य य य य य य य	य य य य य य य य य य य य य य य य य य य य	. च च च च च च च च च च च च च च च च च च च	च च	ा चंच च्चच च्चच चचलाताताताताताताताता. शंचच चंचच चंचच चचचचचचचचचचचचच
112.5 112.5 112.5 112.5 112 112 112 112	112 112 112 111 111 111 111 111 111 111	5:1111111111111111111111111111111111111	1111 1111 1111 1100.5 1100.5 1100.5 1100.5	
1127 1128 1129 1130 1131 1132 1134 1135 1135 1136	11139 11140 11142 11144 11146 11149	1152 1153 1153 1155 11156 11159 11161 11163	1165 11166 11166 11170 11171 11174 11175 11179	11184 11184 11188 11188 11188 11190 11191 11196 11196 11198

Q7zyv5 oncorhynchu P41951 caenorhabdi Q86xn2 homo sapien Q20535 caenorhabdi Q28019 bos taurus Q69h16 ciona intes Q71119 anophelas g Q21313 caenorhabdi P91904 caenorhabdi Q86915 archispiros Q18076 caenorhabdi Q80915 sarchispiros	P07484 anopheles g P05047 ascrophaga Q8mv77 boltenia vi Q9txv7 caenorhabdi Q62919 rattus norv Q66083 didelphis m O60242 homo sapien Q61001 mus musculu Q9h557 homo sapien Q9h557 homo sapien Q21756 caenorhabdi P21956 mus musculu Q800y7 meleagris g Q74793 game musculu Q800y7 meleagris g Q74717 mus musculu Q800y7 meleagris g Q74717 mus musculu Q8543 homo sapien Q95415 homo sapien Q95572 homo sapien Q6596 caenorhabdi Q6596 caenorhabdi Q6596 caenorhabdi Q65891 caenorhabdi Q6581 anopheles g Q6xyd1 homo sapien Q95207 mus musculu Q6591 mus musculu Q6511 mus musculu Q6511 mus musculu Q6511 mus musculu	Qéphia brachydanio P0490 rattus norv Qynake caenorhabdi Qyawk glardia lam Qyaxls xenopus lae Q99kSs mus musculu P37889 mus musculu P37889 mus musculu Q14767 homo sapien Q6bz7 debaryomyce O14767 anopheles g Q6bx7 debaryomyce O16734 acenorhabdi O1660 caenorhabdi O1660 caenorhabdi O1660 caenorhabdi O1661 sus scrofa Q95jhl sus scrofa Q95jhl sus scrofa Q95jhl sus scrofa Q95qt caenorhabdi Q97874 caenorhabdi Q97874 caenorhabdi Q97874 caenorhabdi Q97874 caenorhabdi Q97874 caenorhabdi Q9108 homo sapien Q70p23 glardia lam P70570 rattus norv Q91008 gallus gall Q9108 gallus gall
106 4.2 1260 106 4.2 1576 106 4.2 1761 106 4.2 1827 106 4.2 1969 106 4.2 1969 106 4.2 3517 106 4.2 3517 106 4.2 3704 105.5 4.2 122 105.5 4.2 123	105.5 4.2 270 2 105.5 4.2 283 1 1 105.5 4.2 283 1 1 105.5 4.2 283 1 1 105.5 4.2 1810 1 105.5 4.2 1810 1 105.5 4.2 1810 1 105.5 4.2 1810 1 105.5 4.2 1810 1 105.5 4.2 1810 1 105.5 4.2 160.2 105.5 4.2 160.2 105.5 4.2 160.2 105.5 4.2 160.5 4.2 255.2 105.5 4.2 105.5 4.2 105.5 4.2 105.5 4.2 105.5 4.2 105.5 4.2 105.5 106.5 4.1 105.2 104.5 4.1 105.2 104.5 4.1 204.2 104.5 4.1 204.2 104.5 4.1 204.2 104.5 4.1 205.3 2 104.5 4.1 205.3	104.5 104.1 104.5 104.5 104.5 104.5 104.5 104.5 104.5 104.5 104.1 104.5 104.5 104.5 104.5 104.5 104.5 104.5 104.5 104.1 104.5 105.5 10
onosiga br omo sapien enopus lae enopus lae aenorhabdi omo sapien omo sapien nopheles g omo sapien aenorhabdi aenorhabdi	915300 mins missering plasts of general plasts g	nomo sapien nomo sapien nomo sapien nomo sapien rattus norv nomo sapien rattus norv nomo sapien nanopheles g homo sapien mus musculu mus musculu mus musculu mus musculu mus musculu noncorhynchu boos taurus mus musculu noncorhynchu boos taurus nus musculu nus musculu boos taurus nus musculu boos taurus nus musculu homo sapien homo sapien homo sapien homo sapien homo sapien homo sapien dugesia tig homo sapien mus musculu mus musculu mus musculu mus musculu mus musculu mus musculu anogheles g chimpanzee
1447 23486 2347 1447 1664 2413 255 255 265 265 265 265 265 265 265 265	7577 1 TERBM MOUSE 758 2 Q9HCM 758 2 Q6PJ4 921 2 Q6EPJ4 1271 1 YC81 CAEL 1329 2 Q3BMB0 2610 2 Q194RW 3712 1 LMA_DROME 3712 1 LMA_DROME 3712 1 LMA_DROME 3712 1 LMA_DROME 3712 1 LMA_DROME 3712 2 Q9VRW 142 1 STR2—STRCA 257 2 Q9VRW 257 2 Q9KWT 458 2 O14549 458 2 O14549 458 2 O16285 788 1 TTB3 HUMAN 1048 2 Q96KTW 1696 1 PCKS BRACL 138 2 O706T4 163 1 LPSB PERAM 176 2 Q195I3 176 2 Q195I3 176 2 Q195I3 176 2 Q195I3 176 2 Q195I3 177 2 Q195I3 178 2 Q105T4 178 2 Q105T4 178 2 Q105T4 179 2 Q105T4 170 2 Q195I3 257 2 Q70YW 257 2 Q10YW 257 2 Q10YW 25	667 7000 7000 7000 1
73 108 4.75 108 108 4.75 108 4.77 108 4.77 107.5 4.77 107.5 4.78 1	1286 107.5 4.3 1288 107.5 4.3 1288 107.5 4.3 1289 107.5 4.3 1290 107.5 4.3 1292 107.5 4.3 1295 107.5 4.3 1295 107.5 4.3 1296 107.5 4.3 1296 107.5 4.3 1298 107.5 4.3 1299 107.5 4.2 1300 107.5 4.2 1300 107.5 4.2 1300 107.5 4.2 1300 107.5 4.2 1300 106.5 4.2 1300 106.5 4.2 1312 106.5 4.2 1315 1	11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

1492 102.5 4.1 1519 2 QBWPNO QBWpNO Oikopleura 1493 102.5 4.1 1766 2 QBAM45 QBAM45 GBAM45 LOS.5 4.1 1766 2 QBAM45 GBAM45 LOS.5 4.1 2673 2 Q96SC3 C968C3 Homo Bapien 1494 102.5 4.1 2673 2 Q9ERVO C968C3 Homo Bapien 1495 102.5 4.1 5636 2 Q9ERVO C968C3 Homo Bapien 1497 102 4.0 146 2 Q9VQA7 C9VQA7 G9VQA7 GCOSOPHILA 1499 102 4.0 200 2 QBOZSB GBAN18 GBOZSB GAN18 AGNOSBB LIUB GAN18 1499 102 4.0 467 2 QBGWX2 Homo Bapien 1500 102 4.0 467 2 QBGWX2 Homo Bapien 1500 ALIGNMENTS	RESULT 1  DeGUNET 1  D	Qy 1 MIHPETSPGRGHLLAVILALLGTTWAEVWPPQLQEQAPMGALNRKESFILLSLHNRLRS 60
Q8irv7 drosophila O7pmf9 anopheles g Q8irv9 drosophila Q8w474 drosophila Q8mpn3 drosophila Q8mpn3 drosophila Q8m78 drosophila Q8073 salmo salar Q24774 enchytraeus Q9vju6 drosophila Q869j8 glomeris ma P35246 bos taurus Q45528 caenorhabdi	Q66296 mus musculu Q86427 homo sapien Q79vg5 trypanosoma P26013 oryctolagus Q90144 ictalurus p Q19673 caenorhabdi Q81713 dictyosteli Q81713 dictyosteli Q81713 dictyosteli Q80718 mus musculu Q80718 mus musculu Q8187 mus musculu Q81973 mus musculu Q81973 mus musculu Q81973 mus musculu Q81974 mus musculu Q81973 mus musculu Q81974 mus musculu Q81974 mus musculu Q81975 mus musculu Q8198 mus musculu Q8197 homo sapien Q7789 homo sapien Q7789 homo sapien Q7789 homo sapien Q7789 mus musculu Q88xb0 drosophila Q86vb7 homo sapien Q7787 anopheles Q86vb7 homo sapien Q7787 anopheles Q86vb7 homo sapien Q7787 mus musculu Q88xb0 drosophila Q88xb0 mus musculu Q81x63 xenopus lae Q61x63 xenopus lae Q61x31 homo sapien Q71x87 hytechinus Q71x87 demorabdi Q71x86	Q98y59 arabidopsis Q7t024 brachydanio Q69yj3 homo sapien
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4.1 612 2 Q62Q96 4.1 762 2 Q7YVQS 4.1 762 2 Q7YVQS 4.1 762 2 Q7YVQS 4.1 193 1 TTBB RABIT 4.1 1193 1 LMC2 HUWAN 4.1 1193 1 LMC2 HUWAN 4.1 1282 2 Q81T773 4.1 1282 2 Q68FL1 4.1 1296 2 Q64UTX1 4.1 1296 2 Q64UTX1 4.1 1297 1 LMB1_DROMB 4.1 294 2 Q68TR18 4.1 297 2 Q61TX1 4.1 294 2 Q68TR18 4.1 294 2 Q68TR18 4.1 294 2 Q68TR18 4.1 401 2 Q61TX1 4.1 612 1 LEM2_MOUSE 4.1 612 0 Q77FW4 4.1 1156 2 Q67SB1 4.1 1156 2 Q68TB1 4.1	1188 2 1224 2 1244 2
	44444333474344344444444444444444444444	

ద

õ

à

요 ò g ઠે

```
240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           420
                                                                                                                                                                        61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF 120
                                                                                                                                                                                                                                                                                        121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 241 RINISTCHCPPGYTGRYCQVRCSLQCVHGRFREBECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     361 DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNH------GFGNCVEL 411
                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 WVQPPAADMRRLDWSDSLAQLAQARAALCGTPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MLHPETSPGRGHILAVLALLGTAWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                            181 AYSPGGNWEVNGKTIIPYKKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DSDFETRNFWIGLTYKTAKDSFRWATGEHOAFTSFAFGOPDNHGLVWLSAAMGFGNCVEL
                                                         MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
9;
   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
11-OCT-2002 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein FLJ90292.
Homo sapiens (Human)
   5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRINTS, PRO0837; VSTEXLIKE.
ProDom; PD000542; Allrgn_V5/Tpx1; 1.
SMART; SM00184; CLECT; 1.
SMART; SM00181; EGF; 1.
PROSITE; PS00615; C_TYPE_LECTIN_1; 1.
      440; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     QBNCF0
   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q8NCF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DER READER OF THE PROPERTY OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                               5 8
                                                                                                                                                               8
                                                                                                                                                                                                                                                                                           à
                                                                                             61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                               AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                               181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
      1 MLHPETSPGRGHLLAVILALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Craniata, Vertebrata, Euteleostomi,
Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N [1]

Ding P., Han W., Rui M., Wang Y., Zhang Y., Song Q., Ma D.;

L. Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.

C. Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.

EMBL, AFS21893, AAS80866.1;

R. HSSP, P04284; ICFE.

R. RSSP, P04284; ICFE.

R. GO; GO:0005576; C:extracellular; IEA.

DR O; GO:0005576; C:extracellular; IEA.

DR InterPro; IPR001283; Allrgn_VS/Tpx1.

DR InterPro; IPR001283; Allrgn_VS/Tpx1.

DR InterPro; IPR00139; EGF_1ike.

DR InterPro; IPR00139; Lectin_C.

DR InterPro; IPR00139; Lectin_C.

DR Pam; PP00189; Lectin_C.

DR Pam; PP00189; Lectin_C; 1.

DR PAMRT; SM00189; SCP; 1.

DR RART; SM00181; EGF; 1.

DR RART; SM00181; EGF; 1.

DR RART; SM00181; EGF; 1.

DR RASITE; PS50041; C_TYPE LECTIN_2; 1.

DR PROSITE; PS50041; C_TYPE LECTIN_2; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 2438.5; DB 2; Length 446; Pred. No. 4.4e-182;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      446 AA; 49574 MW; EF34732BF9ECD0C1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Unnamed secretory protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QASAAFNWNDQRCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              446 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens (Human).
Bukaryota, Metazoa, Chordata,
Mammalia, Eutheria, Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96.4%;
96.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS50026;
EGF-like domain.
SEQUENCE 446 AF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7Z5K9;
1-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        421
                                                                  61
                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                   241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0725K9
```

RESULT Q7Z5K9

SOW KWA WANDER W

셤

à g 8 셤 ઠે

```
[2]
SEQUENCE FROM N.A.
                                                                                                                              TISSUE=Colon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
      В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUESCE FROM N.A.

TISSUESCOLON;

PubMed=12477932; DOI=10.1073/pnas.242603899;

PubMed=12477932; DOI=10.1073/pnas.242603899;

Rausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Mang J., Haieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Brownetein M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gabbs R.A.,

A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                                                                                                                                                                                                                                                  300
                                                                                                                                                                                                                                                                                                                                                                                          TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETINEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                        TCDLRIDGDCFMVSSEADTYYRARWKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVI 360
                                                                                                                                                                                                                                                                                                                                                                                                                                         DSDFETRNFWIGLTYXTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVBL 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    411
                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                      AXSPRGNWEVNGKTIVPYKKGAWCSLCTASVSGCFKAMDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                                       1 MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                             61 WVQPPAADMRRLDWSDSLAQLAQARAALCGTPTPSLASGPWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                        VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC
                                                                                                                                                                                                                                                        121 VEVVSLWPAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQAAIEAFVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MILHPETSPGRGHILAVILALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLISLHNRLRS
                                                                                                                                                                                        WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASF
                                                                                                                                                                                                                                                                                        AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG
                                                                                                                                                                                                                                                                                                                                          RLNISTCHCPPGYTGRYCQVRCSLQCVHGRFRBEECSCVCDIGYGGAQCATKVHFPFH
                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1911 _TaxID=9606;
                                                                                   Query Match

95.9%; Score 2426.5; DB 2; Length 446;
Best Local Similarity 96.3%; Pred. No. 3.8e-181;
Matches 438; Conservative 2; Mismatches 6; Indels 9;
                                                               446 AA; 49557 MW; 99B5ED7BC71A6DE2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Secretory protein LOC348174.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS50041; C_TYPE_LECTIN_2; PROSITE; PS00022; BGF_1; 2. PROSITE; PS50186; BGF_2; 2. PROSITE; PS50026; BGF_3; 1. BGF-11ke domain. SEQUENCE 446 AA; 49557 MW; 99BS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                        61
                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                           301
                                                                                                                                                                                                                                                                                                                                                                                                                   301
                                                                                                                                                                                                                                                                                                                                                                                                                                          361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q6DCB3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SKRRRS
                                                                                                                                                             셤
                                                                                                                                                                                       δ
                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
```

```
411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 WVQPPAADWRRLDWSDSLAQLAQARAALCGTPTPSLASGLWRTLQVGWNWQLLPAGLVSF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREECSCVCDIGYGGAQCATKVHFPFH 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A., "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 VEVVSLWFAEGGRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQAAIEAFVC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241 RLNISTCHCHOPPGYTGRYCQVRCSLQCVHGRLREBECSCVCDIGYGGAQCATKVHFPFH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301 TCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 2; Length 446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / Match 95.8%; Score 2423.5; DB 2; Length Local Similarity 96.0%; Pred. No. 6.5e-181; nes 437; Conservative 2; Mismatches 7; Indels
                                                                                                                                                                                                                                   Strausberg R.;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               446 AA; 49567 MW; D936C28FB62FF33C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               446
                                                                                                                                                                                                                                                                 QASAAFWMNDQRCKTRNRYICQFAQEHISRWGPGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best_Local Similarity 96.0
Matches 437; Conservative
```

```
234 MSCONHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCAT 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            114 PAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          174 AIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCR
381 ETTNEVTDSDFETKNFWIGLTYKAAKDSFRWTTGEHQSFTSFAFGQPDN----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSITE; PS00615; C_TYPE_LECTIN_1; 1.
PROSITE; PS00041; C_TYPE_LECTIN_2; 1.
PROSITE; PS01026; EGF_2; 2.
PROSITE; PS01186; EGF_2; 2.
PROSITE; PS01186; EGF_2; 3.
PROSITE; PS0026; EGF_3; 1.
EGF-Like domain; Receptor.
SEGUINCE 504 AA; 55995 MW; A964C0C319D77B8C CRC64;
                                              FGNCVEMOASAAFNWNDORCKTRNRYICOFAQKHYSRWEPG 472
                                                                                                                    OTTSQ0 PRELIMINARY; PRT; 504 AA. Q7TSQ0; 01-0CT-2003 (TrEMBLrel. 25, Created) 01-0CT-2003 (TrEMBLrel. 25, Last sequence update) 01-MAR-2004 (TrEMBLrel. 26, Last annotation update) Mannose receptor-like isoform 4.
                            414 FGNCVELQASAAFNWNDQRCKTRNRYICQFAQEHISRWGPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sest Local Sim
Matches 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22
                                                        432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                RESULT 6
                                                                                                                                      원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                     셤
                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ETTNEVIDSDFETRNEWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMG 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         114 PAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQT 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                141 PMGSASFVEVVNIWPAEGLQYRHGDAECAHNATCAHYTQLWATSSQLGCGRQPCFVDQE 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KVHFPEHTCDLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRL 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KVGFPFHTCDLRIDGDCFMVSPEADTYYGAKMKCQGKGGVLAQIESQKVQDILAFYLGRL 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   174 AIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCR 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     55 HNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP-TPSLASGLWRTLQVGWNWQLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MIHPETSPGRGH-----LLAVLILALLGTTWAEVWPPOLOEGAPMAGALNRKESFILLISL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2; Length 473;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 76.4%; Score 1932.5; DB 2; Length 76.4%; Pred. No. 1.5e-142; ive 33; Mismatches 59; Indels
                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIR=CS7BL/6J; TISSUE=Cerebellum;
Jang J.S. St., Ackerman S.L.;
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
-1 - SHMILARITY: Contains 2 EGF-like domains.
EMBL; AY223873; AAP22987.1; -.
HSSP; P04284; ICFE.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:000572; F:receptor activity; IEA.
GO; GO:0005529; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           473 AA; 52563 MW; 707C43A6B3C2E206 CRC64;
                                                                01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mannose receptor-like isoform 6.
Mus musculus (Mouse).
                                              473 AA
                                                                                                                                                                                                                                                                                                                          InterPro; IPR001283; Allranding; Abr.
InterPro; IPR001283; Allranding; Abr.
InterPro; IPR006209; BGF 2;
InterPro; IPR006209; BGF 1ike.
InterPro; IPR006210; IBGF.
InterPro; IPR001304; Lectin_C.
Pfam; PF001089; BCP; 1.
ProDom; PD000542; Allranding, SMART; SM00181; EGF; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMART; SM00198; SCP; 1.
PROSITE; PS00615; C_TYPE_LECTIN_1;
PROSITE; PS00012; C_TYPE_LECTIN_2;
PROSITE; PS00022; BGF_1; 2.
PROSITE; PS01186; BGF_2; 2.
PROSITE; PS50026; BGF_3; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 76.4% Matches 352; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EGF-like domain; Receptor.
SEQUENCE 473 AA; 52563
                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                 Q7TSP9
                                    Q7TSP9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                  엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
```

```
HNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIP-TPSLASGLWRTLQVGWNMQLL 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ---0G 431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MLHPETSPGRGH-----ILAVILALIGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                   Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2; Length 504;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.

A Jang J.S. Sr., Ackerman S.L.;
Loundted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Loundted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Loundted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AX223871; AAP22985.1; -.
EMBL; AX223871; AAP22985.1; -.
R GO; GO:000576; C:extracellular; IEA.
GO; GO:000576; C:extracellular; IEA.
GO; GO:0005829; F:receptor activity; IEA.
R GO; GO:0004872; F:receptor activity; IEA.
R GO; GO:0004872; F:receptor activity; IEA.
R InterPro; IPR001283; Allrgn Vs/Tpx1.
R InterPro; IPR001283; Allrgn Vs/Tpx1.
R InterPro; IPR001304; Lectin C.
R Pfam; PF00188; SCP; 1.
R SMART; SM00189; SCP; 1.
R SMART; SM00198; SCP; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   76.4%; Score 1932.5; DB 2; Length ilarity 76.4%; Pred. No. 1.6e-142; Conservative 33; Mismatches 59; Indels
```

```
214 SPGGNWDINGKTVAPYKKGTWCSLCTARVSGCFKAWDHAGGLCEVPRNPCRMSCRNLGHL 273
                                                      334 DLRIDGDCFWVSPEADTYYGAKMKCQGKGGVLAQIESQKVQDILAFYLGRLETTWEVTDS 393
                                                                                                                                                                                 DFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQA 422
                                                                                                                                                                                                    PPAADMRRLDWSDSLAQLAQARAALCGIP-TPSLASGLWRTLQVGWNWQLLPAGLASFVE 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 PETSPGRGHLLIAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. NCB_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73.9%; Score 1869.5; DB 2; Length 534; 75.0%; Pred. No. 1.4e-137; ive 31; Mismatches 49; Indels 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PROJUENCE FROM N.A.

C STRAIN=CS7BL/6J; TISSUE=Cerebellum;

Jung J.S. Bar., Ackerman S.L.;

A Jang J.S. Bar., Ackerman S.L.;

Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

- 1- SIMILARITY: Contains 2 EGF-like domains.

R EMBL; AY23849; AAP22983.1; -.

R EMBL; AY23849; AAP22983.1; -.

R GO; GO:0005576; C:extracellular; IEA.

GO; GO:0005576; C:extracellular; IEA.

GO; GO:000559; F:receptor activity; IEA.

GO; GO:000559; F:receptor activity; IEA.

GO; GO:000559; F:receptor activity; IEA.

R GO; GO:000559; F:receptor activity; IEA.

R GO; GO:000559; F:receptor activity; IEA.

R InterPro; IPR001203; Allrgn Vs/Tpx1.

R InterPro; IPR001304; Lectin C.

R Ffam; PF00188; SCP; 1.

R PROSTITE; PS00615; CTYPE LECTIN 1; 1.

R SMART; SM00198; SCP; 1.

R PROSTITE; PS00615; CTYPE LECTIN 2; 1.

R PROSTITE; PS00625; EGF 2; 2.

R PROSTITE; PS00025; EGF 2; 2.

R PROSTITE; PS00026; EGF 2; 2.

R PROSTITE; PS00026; EGF 2; 2.

R PROSTITE; PS00026; EGF 2; 2.

R PROSTITE; RS00026; EGF 2; 2.

R PROSTITE; PS00026; EGF 2; 3.

R PROSTITE; PS00026; EGF 3; 1.
                                                                                                                                                                                                                                                                                                                                                                                                             01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mannose receptor-like isoform 2.
Mus musculus (Mouse).
                                                                                                                                                                                                                                                                       SAAFNWNDQRCKTRNRYICQFAQEHISRWGPG 454
                                                                                                                                                                                                                                                                                                                                                                                   534 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best_Local Similarity 75.0%
Matches 339; Conservative
                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                     303
                                                                                                                                                                                                                                                      423
                                                                                                                                                                                                                                                                                        445
                                     243
                                                                                                                                                                                                                   394
                                                                                                                                                                                 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                               RESULT 8
                                                                     셤
                                                                                                                                       g
                                                                                                                                                                               ò
                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                 Š
                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                       413
                                                                                                           462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PPAADMRRLDWSDSLAQLAQARAALCGIP-TPSLASGLWRTLQVGWNWQLLPAGLASFVE 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94 PPAANMQRMDWSESLAQLAEARAALCVTSVTPNLASTPGHNSHVGMNVQLMPMGSASFVE 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAY 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRL 242
KVHFPFHTCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRL 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     57 PGASGHRPNLLS-------WPP------ALSRKESFLILTAHNRLRSRVH 93
                  ETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMG
                                                                                          ETTNEVTDSDFETKNFWIGLTYKAAKDSFRWTTGEHQSFTSFAFGQPDN------QG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
73.9%; Score 1869.5; DB 2; Length 477;
Best Local Similarity 75.0%; Pred. No. 1.2e-137;
Matches 339; Conservative 31; Mismatches 49; Indels 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

Junited (JAN-2013) to the EMBL/GenBank/DDBJ databases.

L. Submitted (JAN-2013) to the EMBL/GenBank/DDBJ databases.

L. SIMILARITY: Contains 2 EGF-like domains.

R. BERS: P04244; LCFE.

R. GO: GO:0005576; C:extracellular; IEA.

GO: GO:0005576; C:extracellular; IEA.

GO: GO:0005529; P:sugar binding; IEA.

R. InterPro; IPR001283; Allrgn_V5/Tpxl.

R. InterPro; IPR000742; EGF_2.

R. InterPro; IPR006299; EGF_like.

R. InterPro; IPR006299; EGF_like.

R. InterPro; IPR006299; EGF_like.

R. InterPro; IPR001304; Lectin_C.

R. Pfam; PP00189; SCP; 1...
                                                                                                                                               454
                                                                                                                                                              EGF-like domain; Receptor.
SEQUENCE 477 AA; 52490 MW; E24C5071B4137148 CRC64;
                                                                                                                                                                                                                                                                                                       01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 26, Last annotation update)
Mannose receptor-like.
Mus musculus (Mouse)
                                                                                                                                                                                                                                                                         Ą
                                                                                                                                                                                                                                                                       477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prodom; P0000542; Alirgn V5/Tpx1; 1.
SWART; SW00034; CLECT; 1.
SWART; SW00181; EGF; 1.
SWART; SW00199; SCF; 1.
PROSITE; PS00615; C_TYPE_LECTIN_1; 1.
PROSITE; PS00022; EGF 1; 2.
PROSITE; PS00186; EGF 2; 2.
PROSITE; PS00186; EGF 2; 2.
                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=10090;
294
                                   352
                                                                       354
                                                                                                       412
                                                                                                                                             414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     183
                                 윱
                                                                                                  g
                                                                                                                                           Š
                                                                                                                                                                                                                                                                                        음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
```

63

Gaps

```
PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
           Н
                                                                                   188
                                                                                                                                                                                 308
                                                                                                                                                                                                                                 368
                                                                                                                                                                                                                                                      301
                                                                                                                                                                                                                                                                                                       352
                                                                                                                                                                                                                                                                                                                                                                   Q8IUW8
                                                                                                                                                                                                                                                                                                                                            RESULT 10
                                                                                                                                                        g
                                                                                                                                                                                                      용
                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                    셤
                                 ò
                                                        g
                                                                                   8
                                                                                                      g
                                                                                                                                  ð
                                                                                                                                                                                 à
                                                                                                                                                              DFBTRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQA 422
                                                242
                                                                                                            DLRIDGDCFWVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDS 362
                                                                                                                                                                                                            VVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAY 182
                                                                                                 NISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREECSCVCDIGYGGAQCATKVHFPFHTC 302
               SPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRL
                                                               S).

Buks musculus (Mouse).

Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

NCBI_TaxID=10090;

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10;
                                                                                                                                                                                                                                                                                                                                                                    01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Mannose receptor-like isoform 3 (Mannose receptor-like isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 379;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN-C57BL/6J; TISSUE-Cerebellum;
Jang J.S. Sr., Ackerman S.L.;
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
SIUMILATITY: Contains 2 EGF-like domains.
EMBL; AY223870; AAP22984.1; -.
EMBL; AY223872; AAP22986.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42164 MW; 98D94076795F85D5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       69.5%; Score 1758; DB 2;
80.4%; Pred. No. 4.9e-129;
iive 25; Mismatches 41;
                                                                                                                                                                                                                                                           SAAFNWNDQRCKTRNRYICQFAQEHISRWGPG 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005529; F:receptor activity; IEA.
GO; GO:0005529; F:sugar binding; IEA.
InterPro; IPR001283; Allrgn V5/Tpx1.
InterPro; IPR006209; EGF 2.
InterPro; IPR006210; IEGF.
InterPro; IPR006210; IEGF.
                                                                                                                                                                                                                                                                                                                                   379 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfan, PP00059; Lectin C; 1...
ProDom; PD000542; Allrgn V5/Tpx1; 1.
SMART; SM00034; CLECT; 1.
SMART; SM00181; EGF; 1.
SMART; SM00189; SCP; 1.
PROSITE; PS00045; C_TYPE_LECTIN 1; 1.
PROSITE; PS00022; EGF_1; 2.
                                                                                                                                                                                                                                                                                                                                                          01-0CT-2003 (TrEMBLrel, 25, Created)
01-0CT-2003 (TrEMBLrel, 25, Last seq
05-JUL-2004 (TrEMBLrel, 27, Last ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE; PS01186; EGF_2; 2 PROSITE; PS50026; EGF_3; 1 EGF-like domain; Receptor. SEQUENCE 379 AA; 42164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 311; Conservative
                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P04284; 1CFE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                           271
                                                                                                   243
                                                                                                                            331
                                                                                                                                                   303
                                                                                                                                                                           391
                                                                                                                                                                                                   363
                                                                                                                                                                                                                         451
                                                                                                                                                                                                                                                   423
                                                                                                                                                                                                                                                                          502
                                                    183
                                                                                                                                                                                                                                                                                                                                                  Q7TMA7;
                                                                                                                                                                                                                                                                                                                                      O7TMA7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HSSP;
                                                                                                                                                                                                                                                                                                             RESULT 9
                                                                                                                                                                                                                                                                                                                                                  ద
                                                                                                                          셤
                                                                                                                                                à
                                                                                                                                                                        셤
                                                                                                                                                                                                  ò
                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                          셤
                                                     ð
                                                                                                   ò
```

```
MEDLINE=238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
MEDLINE=238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
Ratasberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Riausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Riausner R.D., Collins F.S., Magner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Romstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunzaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
N. Hilalon D.K., Muzny D.M., Sodergen B.J., Lu X., Gibbs R.A.,
Nilalon D.K., Muzny D.M., Sodergen B.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Anting M., Touchman J.W., Green B.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
Rrayninski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
Arzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.R.,
Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                  307
                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                                  367
                                                                                                                                                                                                                                                                                                                     187
                                                                                                120
                                                                                                                                        247
                                                                                                                                                                             180
                                                                                                                                                                                                                                                                                                                                                                             NFWIGLTYKTAKDSFRWATGEHQAFTSFAFGOPDNHGLVWLSAAMGFGNCVELQASAAFN 427
                                                                                                                                                                                                                                                                                                                                                                                                       WEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRLNISTC
                                                                                                                                                            248 HCHCPPCYTGRYCQVRCSLQCVHGRFREERCSCVCDIGYGGAQCATKVHFPFHTCDLRID
                                                                                                                                                                                                                                                                                                GDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYLGRLETTNEVTDSDFETR
                                                                                                                                                                                                                                           128 FAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAYSPGGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (Human).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [2]
SEQUENCE FROM N.A.
TISSUE=Colon;
Strausberg R.;
Submitted (NOV-2002) to the EWBL/GenBank/DDBJ databases.
-!- SUMTLARITY: Contains 2 EGF-like domains.
EMBL; BCO39069; AAH39068.1; -.
HSSP; P04284; ICFE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QBIUM8;
01-MAR-2003 (TYEMBLrel. 23, Created)
01-MAR-2003 (TYEMBLrel. 23, Last sequence update)
01-MAR-2004 (TYEMBLrel. 26, Last annotation update)
Hypothetical protein MGC34761.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   301 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                428 WNDORCKTRNRYICOFAQEHISRWGPG 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cDNA sequences.
```

```
61 WVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                                                                                                                                                                              61 WVQPPAADMRRLDWSDSLAQLAQARAALCGTPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 VEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181 AYSPRGNWEVNGKTIVPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCRMSCQNHG 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 WVQPPAADMRRLDWSDSLAQLAQARAALC----GI-PTPSLASGLWRTLQVGWNMQLL 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 WVQPPAADRRRLDWSDSLANWLKPGSPLWNPNPEPGVRPVAHPASGL-----EHAAVC 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     114 PAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLCSAGQT 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREBECSCVCDIGYGGAQCATKVHFP 298

241 RINISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREBECSCVCDIGYGEPSAPPRCIFP 298
                                                                                                                                                                                                                            1 MIHPETSPGRGHILAVILALIGTAWAEVWPPQLQEQAPWAGALNRKESFILLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MIHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                       1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MIHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRS
                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels 14, Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBL_TaxID=9606;
                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 52.2%; Score 1321; DB 2; Length 303; Best Local Similarity 80.3%; Pred. No. 5.1e-95; Matches 245; Conservative 10; Mismatches 36; Indels 1-
                                                            Length 303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A GLOUENCE FROM N.A.

A GLO J.H., Zan Q., She X.Y., Li D., Yu L.;

Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.

L SIMILARITY: Contains 1 EGF-like domain.

E MBL; AF448856; AAP41924.1; -.

GO; GO:005576; C:extracellular; IEA.

InterPro; IPR001283; Allrgn V5/Tpx1.

InterPro; IPR001283; Allrgn V5/Tpx1.

InterPro; IPR005210; EGF-like.

InterPro; IPR005210; IEGF.

R InterPro; IPR005210; IEGF.

R Efam; PP00188; SCP; 1.

R SMART; SM00181; EGF; 1.

R SMART; SM0191; EGF; 1.

R PROSITE; PS01086; EGF 1; 1.

R PROSITE; PS01086; EGF 1; 1.

R PROSITE; PS01086; EGF 2; 1.

R RGG-1ike domain; Hypothetical protein.
                                                            Query Match 62.8%; Score 1587; DB 2; Length 3
Best Local Similarity 95.3%; Pred. No. 8.8e-116;
Matches 284; Conservative 2; Mismatches 12; Indels
303 AA; 33059 MW; 3D5D0F2083F4DB18 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        303 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                     Query Match
Best Local Similarity
   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q7Z7I8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    072718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 GLWRTLQVGWNWQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATS 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SQLGCGRHLCSAGQAAIEAFVCAYSPRGNWEVNGKTIVPYKKGAWCSLCTASVSGCPKAW 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99 GLWRTLQVGWNMQLLPAGLASFVEVVSLWFAEGQRYSHAAGECARNATCTHYTQLVWATS 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SQLGCGRHLCSAGQTAIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAW 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DHAGGLCEVPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEEC 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MAGALNRKESPLILSLHNRLRSWVQPPAADRRRLDWSDSLAQLAQARAALCGIPTPSLAS 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39 MAGALMRKESFLLLSLHNRLRSWVQPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SCVCDIGYGGAQCATKVHFPFHTCDLRIDGDCFMVSSEADTYYRARMKCQ 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241 SCYCDIGYGGAQCATKVHPPFHTCDLRIDGDCFMVSSEADTYYRARMKCQ 290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h Similarity 98.6%; Pred. No. 1.2e-117; Similarity 98.6%; Pred. No. 1.2e-117; 86; Conservative 1; Mismatches 3; Indels (
                       InterPro; IPR001283; AlIrgn_VS/Tpx1.

InterPro; IPR001283; AlIrgn_VS/Tpx1.

InterPro; IPR006209; EGF 1.

InterPro; IPR006210; IEGF 1.

InterPro; IPR006210; IEGF 1.

InterPro; IPR006317; VSTPXLIKE.

INTERPROSED PR00837; VSTPXLIKE.

INTERPROSED PR00817; VSTPXLIKE.

INTERPROSED PR00121; EGF 1.

INTERPROSED PR00122; EGF 1.

INTERPROSED PR00122; EGF 1.

INTERPROSED PR00124; EGF 2.

INTERPROSED PR00124; EGF 3.

INTERPROSED PR00134; AND PR00144; AND 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.

Guo J.H., She X.Y., Yu L.;

Guo J.H., She X.Y., Yu L.;

Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.

-! SIMILARITY: Contains 1 EGF-1ike domain.

EMBL; AF428259; AAP97299.1; --

HSSP; P04284; ICFE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein.
Homo sepiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             303 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO; GO:000557; C:extracellular; IEA.
InterPro; IPR001283; Allrgn_V5/Tpx1.
InterPro; IPR001243; GGF_2.
InterPro; IPR006209; EGF_1ike.
InterPro; IPR006210; IEGF_2.
InterPro; IPR006210; IEGF_1.
ProDom; P0000642; Allrgn_V5/Tpx1; 1.
SWART; SM00181; EGF; 1.
SWART; SM00181; EGF; 1.
PROSITE; P801082; EGF_1; 1.
PROSITE; P801086; EGF_2; 2.
PROSITE; P801186; EGF_2; 2.
PROSITE; P801186; EGF_3; 1.
EGF-like domain; Hypothetical protein.
GO:0005576; C:extracellular; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 286; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
```

RESULT 11 Q7Z4U9

THE PARTY OF THE P

셤

ઠ 셤 ò

유 8 셤 8

RESULT 13 **09BE36** 

원

ò

ద

à

ò

```
RA MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA STRAUSBERG R.L., Feligold B.A., Grouse L.H., Derge J.G.,
RIASINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA STRAUSBERG R.L., Religiold E.A., Grouse L.H., Derge J.G.,
RA Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altechul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Blatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Frange C.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Frange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RACHARGS S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
R. Pinko J., Helton E., Ketteman M., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
R. Karywinski M.I. Skalska U., Smailus D.E., Schmerch A., Schein J.B.,
R. Grenner ation and initial analysis of more than 15,000 full-length human
                                                                        Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Strausberg R.;
Strausberg R.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; BC006416; AAH08616.1; -.
HSSP; PO5452; 1TW3.
GO; GO:0005529; F:sugar binding; IEA.
Interpro; IPR001304; Lectin_C.
Pfam; PP00059; Lectin_C, 1.
PROSITE; PS00615; C_TYPE_LECTIN_1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            156 AA; 17134 MW; 8A0F06A955C97306 CRC64;
  01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                        LOC348174 protein (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
ses 73; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rissum=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06ZVG9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  O6ZVG9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 15
  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 WYOPPAADMRRLDWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121 VEVVSLWFAEGORYSHAAGECARNATCTHYTOLVWATSSOLGCGRHLCSAGOTAIEAFVC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRAMRPWLKWVSLWPAEGQRYSHAAGECARNAHLTHYTQLVWATSSQLGCGRHLCSAGQA 173
                                                                                       234 MSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGEPSAPP 293
                                                                                                                                         MSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSCVCDIGYGGAQCAT 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUB-Cerebellum cortex;
Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirai M., Terao K.,
Suzuki Y., Sugano S., Hashimoto K.;
Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AB060195; BAB41141.1;
HSSP; P04284; 1CFE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEQAPWAGALNRKESFLLLSLHNRLRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MLHSETSPGRGHLLAVILAFLGTTWAEVWPPQLQEQAPMARALTRKESFLLLSLHNRLRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         174 AIEAFVCAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNPCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                          01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein.
Macaca fascicularis (Crab eating macaque) (Cyromolgus monkey)
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
NTBL TaxID=9541;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 334;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181 AYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLC 225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              45.6%; Score 1154; DB 2; Length 3 94.2%; Pred. No. 6.2e-82; ive 2; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35917 MW; 37B37E3D29DC0D19 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              156 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GO; GO:0005576; C:extracellular; IEA.
InterPro; IPR001283; Allrgn V5/Tpx1.
InterPro; IPR001283; Allrgn V5/Tpx1.
InterPro; IPR0012413; V5_allergen.
Pfan; PF00188; SCP; I.
PRINTS; PR00838; V5ALLERGEN.
PRINTS; PR00837; V5TPXLIKE.
PRODOM; PD000542; Allrgn V5/Tpx1; I.
SWART; SM00198; SCP; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 94.2
nes 212; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        l protein.
334 AA; 3
                                                                                                                                                                                                                        KVHFP 298
                                                                                                                                                                                                                                                : ||
RCIFP 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
                                                                                                                                                                                                                          294
                                                                                                                                               234
                                                                                                                                                                                                                                                               294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q96НН2
Q96НН2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 14
Q96HH2
```

```
431
                                                                                                                                                         82 GLIYKTAKDSFRWATGEHQAFTSFAFGQPATH------GFGNCVELQASAAFNWNDQ 132
                                                                                                      372 GLIYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVELQASAAFNWNDQ
                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein FLJ42598.
Homo sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                      6
  Length 156;
                                                        Indels
15.7%; Score 397.5; DB 2;
86.9%; Pred. No. 3.2e-23;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                              270 AA
                                                                                                                                                                                                                        432 RCKTRNRYICQFAQEHISRWGPGS 455
                                                                                                                                                                                                                                                                           133 RCKTRNRYICQFAQEHISRWGPGS 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
```

ద

δ

음

ઠ

유 ò

```
124 VSLWFAEGORYSHAAGECARNATCTHYTQLVWATSSQLGCGRHLC----SAGQTAIEAFV 179
                                                                                                                                                                                                                                                                                         73 DWSDSLAQLAQARAALCGIPTPSLASGLWRTLQVGWNWQLLPAGLASFV------BV 123
                                                                                                                                                                                                                         11 LIPLILILIVATT------GPV-GALTDEEKRIMVELHNLYRAQVSPPASDMIHM 57
                                                                                                                                                                                                               13 LLAVLLALLGTTWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMRRL 72
                                                                                                                                                                              11.1%; Score 280; DB 2; Length 270;
32.3%; Pred. No. 8.4e-14;
Live 28; Mismatches 77; Indels 52; Gaps
                                                                                                                                                                                                                                                                                                                             CNYEPPGN--VKGKR--PYQEGTPCSQCPS-----GYHCKNSLCEPIGSP 203
                                                                                                                                                                                                                                                                                                               180 CAYSPGGNWEVNGKTIIPYKKGAWCSLCTASVSGCFKAWDHAGGLCEVPRNP 231
                                                                                                                                                                              Query Match
Best Local Similarity 32.3%
Matches 75; Conservative
g
                                                                                                                                                                                                                                                          යු
                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                              ð
```

Search completed: Pebruary 11, 2005, 19:09:10 Job time: 218 secs

This Page Blank (uspto)

Length 455;

```
PD 17-0CT-2002.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 2529; DB 6; Length 455;

Best Local Similarity 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABUG0349 standard, protein; 455 AA.
Novel human secreted and transmembrane protein PRO347.
U42002168115-A1.
                                                                                                                                                                                                                                                                                                                                                    PA (GETH) GENENTECH INC.
Querry Match
100.0%; Score 2529; DB 6;
Best Local Similarity 100.0%; Pred. No. 5.5e-181;
RESULT 10
                                                                                Score 2529; DB 6;
Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 2529; DB 6;
Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 2529; DB 6;
Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 24-OCT-2002.

1 (GETH) GENENTECH INC.

100-027 Match 100.0%; Score 2529; DB 7;

Best Local Similarity 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 2529; DB 7;
Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 2529; DB 6;
Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC25564 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9
US2002156004-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADC25685 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC25806 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9
US2002142419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU56309 standard; protein; 455 AA.
Human secreted/transmembrane protein, PRO347.
US2002132981-A1.
19-SEP-2002.
  Human secreted/transmembrane protein PRO347.
US2002173463-A1.
                                                                                                                                      ABUS8358 standard; protein; 455 AA. Novel human secreted protein PRO347 US2002150976-A1.
                                                                                                                                                                                                                                                                                               ABU57244 standard; protein; 455 AA.
Human PRO347 protein.
US2002142958-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABUI1310 standard; protein; 455 AA.
Human 347 protein sequence.
US2002127643-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU67129 standard; protein; 455 AA.
ABU67129 standard; protein; 455 AA.
Human PRO polypeptide #9.
US2002165143-AA.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.0%;
RESULT 14
                                                     (GETH) GENENTECH INC.

19. Match

100.0%;

L Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.0%;
RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-OCT-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                            Query Match
Best Local Similarity
RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                         21-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
GenCore version 5.1.6

OM protein - protein search, using sw model
Run on: February 11, 2005, 18:57:21 ; Search time 167 Seconds
(without alignments)
1053.748 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                       5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004bs:*
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                   2529
1 MLHPETSPGRGHLLAVLLAL......RNRYICQFAQEHISRWGPGS 455
BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH INC.

Best Local Similarity 100.0%; Score 2529; DB 3; Length 455; RESULT 4

ID ABU55928 standard; protein; 455 AA.
DB Human secreted/transmembrane rvo.
PD US2002142959-A1.
PD 03-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 2529; DB 2; Length 455; Best Local Similarity 100.0%; Pred. No. 5.5e-181; RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 19-SEP-2002.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 2529; DB 6; Length 455;

Best Local Similarity 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 2529; DB 2; Length 455; 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 2529; DB 6; Length 455;
Pred. No. 5.5e-181;
                                                                                                                                                                           Gapop 10.0 , Gapext 0.5
Searched: 2105692 seqs, 386760381 residues
Cotal number of hits satisfying chosen parameters:
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                          Post_processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
Database : A Geneseq 16Dec4:*

1: geneseqp1980s:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY06483 standard; protein; 455 AA.
Human tumour-associated protein PRO347.
WO9935170-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #9.
US2002132768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY17828 standard; protein; 455 AA.
Human PRO347 protein sequence.
WO9928462-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU64924 standard; protein; 455 AA
                                                                                                                                                                                                                                                                                                                                                                           geneseqp1990s:*geneseqp2000s:*
                                                                                                                                                                                                                                                                                                                                                                                                                     geneseqp2001s:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.0%;
RESULT 5
                                                                                                   US-09-943-664-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-JUN-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-JUL-1999
                                                                                                                                      Sequence:
Scoring table:
                                                                                                                       Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
ID AA
DB Hu
PN WO
PD 15
                                                                                                 Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Š.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22222
```

Length 455;

```
US2002028508-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-JUL-2001.
(PROT-) PROTEGENE INC.
(SAGA ) SAGAMI CHEM RES CENT.
12. Match 96.8%; Score 2447.5; DB 4; Length 446;
t Local Similarity 97.1%; Pred. No. 6.8e-175;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . Match 96.8%; Score 2447.5; DB 4; Length 446; Local Similarity 97.1%; Pred. No. 6.8e-175;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 446;
                                                                                                                                                                                                                                                                                                                                                                                  Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 455;
                                                                          100.0%; Score 2529; DB 7; Length 455; 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                Length 455;
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH43191 standard; protein; Score 2529; DB 8;

LOS Human secreted/transmembrane PRO polypeptide #9.

PN US2003207401-A1.

PD (GFH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred

RESULT 20

ID ADNO0429 standard; prote.

PD Human secreted/transmembrane PRO polypeptide #9.

PA (GFH) Similarity 100.0%; Score 2529.

DB Human secreted/transmembrane PRO polypeptide #9.

PP H2200409197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
(MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
96.8%; Score 2447.5; DB 2;
ery Match
97.1%; Pred. No. 6.8e-175;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-MAY-2004.

13-MAY-2004.

(GETH ) GENENTECH INC.

100.0%; Score 2529; DB 8;

ery Match

ery Match

100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Pred. No. 5.5e-181;
RESULT 17
                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 2529; DB 8; 100.0%; Pred. No. 5.5e-181;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE06575 standard; protein; 446 AA.
Human protein having hydrophobic domain, HP10760
WO200149728-A2.
                                                                                                                                                                                                                                                                                        ADE/1519 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9.
US2003096742-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG63462 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9.
US2003211570-A1.
                                                                                                                                    ADH27470 standard; protein; 455 AA.
Human secreted/transmembrane PRO polypeptide #9.
US2003083479-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE21077 standard; protein; 446 AA.
Human T139 (TANGO-139) protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY41266 standard; protein; 446 AA.
Human T139 protein.
WO9954343-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB64994 standard; protein; 446 AA
Human secreted protein #2.
WO200075375-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME SCI INC.
J7698-A1.
APR-2003.
(GETH ) GENENTECH I.
Query Match
Best Local Similarity 1
RESULT 16
ID ADH27470 stander
PD Human secrety
PD US-2030
                                              24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                  01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                    22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 21
                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PRO.
A (SAGA) b.
Query Match
Best Local S'
RESULT 23
ID AAB649'
DE Humar
PN WO2'
PD 1'
PA'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
Query Match 95.9%; Score 2426.5; DB 4; Length 446; Best Local Similarity 96.3%; Pred. No. 2.5e-173; RESULT 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 2315.5; DB 5; Length 420; Pred. No. 4.9e-165;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   91.6%; Score 2315.5; DB 7; Length 420; 97.2%; Pred. No. 4.9e-165;
                                                                                                                            ABW00606 standard; protein; 446 AA.
Human T139 protein.
US2003104447-A1.
05-JUN-2003.
(MILL.) MILLENNIUM PHARM INC.
95.8%; Score 2447.5; DB 7; Length 446;
ery Match
10cal Similarity 97.1%; Pred. No. 6.8e-175;
                                                            Length 446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-OCT-1999.
(MILL.) MILLENNIUM BIOTHERAPEUTICS INC.
91.6%; Score 2315.5; DB 2; Length 420;
st Local Similarity 97.2%; Pred. No. 4.9e-165;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 2227; DB 8; Length 437; Pred. No. 2.2e-158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 415;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL30818 standard; protein; 446 AA.

Human protein encoded by a full length cDNA clone SeqID 2851
EP1396543-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM85171 standard; protein; 437 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:5420.
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (REAS-) RES ASSOC BIOTECHNOLOGY.

Query Match 95.9%; Score 2426.5; DB 8;
Best Local Similarity 96.3%; Pred. No. 2.5e-173;
                                                               Score 2447.5; DB 5;
Pred. No. 6.8e-175;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 2241; DB 7;
Pred. No. 1.8e-159;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE21078 standard; protein; 420 AA.
Human T139 (TANGO-139) mature protein.
US2002028508-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABW00607 standard; protein; 420 AA.

Human mature T139 protein.

N US2003104447-A1.

O 05-UN-2003.

O MILLENNIUM PHARM INC.

Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE95552 standard; protein; 415 AA.
Human NOVX12a protein.
WO2003050245-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY41267 standard; protein; 420 AA.
Human T139 mature protein sequence.
WO9954343-A2.
                                                                                                                                                                                                                                                                                             AAM93326 standard; protein; 446 AA.
Human polypeptide, SEQ ID NO: 2851.
EP1130094-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.1%;
90.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 91.6%;
Local Similarity 97.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 88.6%;
Best Local Similarity 90.3%;
                                                                 96.8%;
97.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HOLT/) HOLTZMAN D A.
(GOOD/) GOODEARL A D J.
(MCCA/) MCCARTHY S A.
(HOLT/) HOLTZMAN D A.
(GOOD/) GOODEARL A D J.
(MCCA/) MCCARTHY S A.
                                                                                                                                                                                                                                                                                                                                                            05-SEP-2001.
(HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-JUN-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                  Best Local Similarity RESULT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                       Query Match
```

```
Best Loc
RESULT 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABUI1467 standard; protein; 370 AA.

Human MDDT polypeptide SEQ ID 414.

MO200279449-A2.

10-CCT-2002.

(INCYTE GENOMICS INC.

ery Match

80.1%; Score 2025.5; DB 6; Length 370;

st Local Similarity 97.0%; Pred. No. 2.2e-143;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               uuery Match 78.7%; Score 1989.5; DB 8; Length 366;
Best Local Similarity 80.4%; Pred. No. 1.1e-140;
RESULT 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78.4%; Score 1983.5; DB 8; Length 366; 80.2%; Pred. No. 3.1e-140;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        77.6%; Score 1961.5; DB 4; Length 506; 73.9%; Pred. No. 2e-138;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 437;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             72.5%; Score 1834; DB 8; Length 391; 96.8%; Pred. No. 5.2e-129;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.5%; Score 1809; DB 6; Length 371; 98.2%; Pred. No. 3.7e-127;
                                                                                                                                                                                                                                                                                                    Length 437;
                                                                                                                               Length 437
        ABMWB3172 Standard; protein; 437 AA.

Human diagnostic and therapeutic pprotein SEQ ID NO:5421.

WO2004023973-A2.
                                                                                                                                                                                        ABM84725 standard; protein; 437 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:4974.
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                    ABM84726 standard; protein; 437 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:4975.
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABM85170 standard; protein; 366 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:5419.
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                  87.0%; Score 2201; DB 8;
88.8%; Pred. No. 1.9e-156;
                                                                                                                               Score 2227; DB 8;
Pred. No. 2.2e-158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       87.0%; Score 2201; DB 8;
88.8%; Pred. No. 1.9e-156;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABG12157 standard; protein; 506 AA.
Novel human diagnostic protein #12148.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM80795 standard; protein; 366 AA.
Human CADECM-24 protein SEQ ID NO:24.
WO2004015396-A2.
19-PEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN42974 standard; protein; 391 AA.
Human secreted protein SECP-35.
WO2004037987-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABUI1626 standard; protein; 371 AA. Human MDDT polypeptide SEQ ID 573. WO200279449-A2.
                                                                                                                               88.1%;
90.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-OCT-2002.
(INCY-) INCYTE GENOMICS INC.
                                                                                   25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                              (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAR-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-MAY-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 36
                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 42
RESULT 33
ID ABM85172 standard;
                                                                                                                                            Best Local Similarity RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                        25-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 37
```

```
Length 395;
                                                                                                                                                                                                                                                                                                                                                              57.3%; Score 1450; DB 6; Length 276; 95.2%; Pred. No. 2e-100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 276;
                                                                                                                                                                                                                           Length 303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 512; DB 4; Length 1220; Pred. No. 2e-29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-FBB-2000.
( INCY-) INCYTB PHARM INC.
Query Match
Best Local Similarity 99.4%; Pred. No. 4e-58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29.1%; Score 735; DB 4; Length 493; 48.6%; Pred. No. 1.4e-46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 112;
                                                                                                                                                                                                                           Score 1587; DB 6;
Pred. No. 1.2e-110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1145; DB 4;
Pred. No. 1.4e-77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY70015 standard; protein; 166 AA.
Human Protease and associated protein-9 (PPRG-9)
WO200009709-A2.
                                                                                        Score 1732; DB 4;
Pred. No. 2.3e-121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 773; DB 6;
Pred. No. 5.1e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 587; DB 4;
Pred. No. 3.2e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human EST encoded protein; 112 AA.
Human EST encoded protein SEQ ID NO: 1335.
WO2017-10.
ABG27603 standard; protein; 395 AA.
Novel human diagnostic protein #27594.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABP96843 standard; peptide; 147 AA.
Human PREGF amino acid sequence 44-190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABG17023 standard; protein; 493 AA.
Novel human diagnostic protein #17014.
W0200175067-A2.
11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                ABG12156 standard; protein; 276 AA.
Novel human diagnostic protein #12147.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human diagnostic protein #24309 WO200175067-A2.
                                                                                                                                        protein; 303 AA.
                                                                                                                                                                                                                                                                           ABP96845 standard; protein; 276 AA.
Human PREGF mature protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABG12158 standard; protein; 263 AA.
                                                                                      68.5%;
97.8%;
                                                                                                                                                                                                                         62.8%;
95.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23.2%;
99.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20.2%;
56.0%;
                                                                                                                                    ABP96844 standard; p
Human PREGF protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-AUG-2002.
(UYFU-) UNIV FUDAN.
                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                          28-AUG-2002.
(UYFU-) UNIV FUDAN.
                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABG24318 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                     11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                           CN1366046-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CN1366046-A.
                                                                                                                                                                          CN1366046-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-0CT-2001
                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
```

Query Match

Query Match

```
Score 272; DB 3; Length 463;
Pred. No. 6.3e-12;
                                                                                                  ID ADF79438 standard; protein; 593 AA.

DE Human prostate secretory protein PSP94-binding protein.

PN W0200393474-AA.

PD 13-NOV-2003.

PA (PROC-) PROCYON BIOPHARMA INC.

Query Match

Best Local Similarity 32.2%; Pred. No. 7e-12;

RESULT 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE10009 standard; protein; 347 AA.
Novel protein-related contig polypeptide sequence #597
WO2003054152-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE08995 standard; protein; 347 AA.

Novel protein-related contig polypeptide sequence #61.
WQ2003054152-A2.

(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 2;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 3;
Pred. No. 6.3e-12;
           13-NOV-2003.

(PROC-) PROCYON BIOPHARMA INC.

10.8%; Score 273; DB 7;

STY Match 10.8%; Score 273; DB 7;

STY ---1 Similarity 32.2%; Pred. No. 5.8e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.8%; Score 272; DB 4; 31.9%; Pred. No. 4.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 7;
Pred. No. 4.5e-12;
                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 4;
Pred. No. 3.4e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 7;
Pred. No. 4.5e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY13392 standard; protein; 463 AA.
Amino acid sequence of protein PRO328.
WO9914328-A2.
                                                                                                                                                                                                                                               Human polypeptide SEQ ID NO 2861.
WO200153312-A1.
26-JUL-2001.
SYRED-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                   Human polypeptide SEQ ID NO 6433.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY95343 standard; protein; 463 AA. Human PRO328 antitumour protein. WO200037638-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC78597 standard; protein; 463 AA.
Human PRO328 protein.
WO200015796-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB01373 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                          10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Neuron-associated protein. WO200034477-A2. 15-JUN-2000. (INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-JUN-2000.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-MAR-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
Best Local Similarity
RESULT 64
                                                     Query Match
Best Local Similarity
RESULT 61
                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JUL-2003.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-JUL-2001.
(HYSE-) HYSEQ INC.
WO2003093474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                      ABU92021 standard; protein; 270 AA.
Human protein modification and maintenance molecule-1 (PMMM-1)
WO2003031939-A2.
                                                                           17.0%; Score 429.5; DB 4; Length 263; 54.6%; Pred. No. 5.3e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AUBU7929 standard; protein; 506 AA.
Novel protein (useful for identifying genetic disorders) #84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 506;
                                                                                                                                                                                                                                                                                                                                                                                   Length 270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 625;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 550;
                                                                                                                                                                                                                               Length 270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADF79437 standard; protein; 506 AA.
Human prostate secretory protein PSP94-binding protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADP79443 standard; protein; 550 AA.

Human prostate secretory protein PSP94-binding protein.

#W0200309474-A1.

13-NOV-2003.

(PROC-) PROCYON BIOPHARMA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF79442 standard; protein; 625 AA.

Human prostate secretory protein PSP94-binding protein.
WO2003093474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                           ADF79444 standard; protein; 463 AA.
Human prostate secretory protein PSP94-binding protein.
WO2003093474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB88408 standard; protein; 463 AA.
Human membrane or secretory protein clone PSEC0164
EP1067182-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH54568 standard; protein; 463 AA.
Human leukocyte regulatory factor (LRF)-2 protein.
US2003162956-A1.
                                                                                                                                                                                                                                                                                                                                          Erly Match 13.3%; Pred. No. 8.6e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 11.0%; Score 277; DB 4; Best Local Similarity 32.3%; Pred. No. 2.6e-12; RESULT 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PD 28-AUG-2003,
PA (HUMA-) HUMAN GENOME SCI INC.
Query Match
Best Local Similarity 32.3%; Pred. No. 1.6e-12;
RESULT 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               QUELY MAICH
Beet Local Similarity 32.3%; Pred. No. 1.9e-12;
RESULT 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 273; DB 7;
Pred. No. 5.8e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 11.1%; Score 280; DB 7; Best Local Similarity 32.3%; Pred. No. 1.6e-12; RESULT 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11.1%; Score 280; DB 7; 32.3%; Pred. No. 2.2e-12;
                                                                                                                                                                                                                             11.1%; Score 280; DB 6; 32.3%; Pred. No. 8.6e-13;
     Novel human diagnostic protein #12149.
WO200175067-A2.
                                                                                                                                                                                                                                                                                      ADQ65201 standard; protein; 270 AA. Novel human protein sequence #174. EP1440981-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-NOV-2003. (PROC-) PROCYON BIOPHARMA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PROC-) PROCYON BIOPHARMA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%;
32.2%;
                                                                                                                                                                                                               (INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2001.
(HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 58
                                                                                                                                                                                                                                         Best Local Similarity
RESULT 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                            Best Local Similarity RESULT 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (HYSE-) HYSEQ INC.
                                         11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JUL-2003
                                                                                                                                                                                                 17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

Length 347;

Length 347;

Length 266;

Length 593;

Length 506;

Length 347;

Length 463;

Best I RESULT 7 ID ABC DE NOV PN US2

us-09-943-664-50.rag.spdi

```
ABU67025 standard; protein; 463 AA.
Human secreted/transmembrane, PRO, protein SEQ ID 360.
US2003032155-A1.
13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted / transmembrane polypeptide PRO328.
US2003036060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABOZSOZO standard; protein; 463 AA.
Human secreted/transmembrane protein (PRO) #180.
US2003036179-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO47410 standard; protein; 463 AA.
Human secreted/transmembrane polypeptide PRO328.
US2003044839-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABUS9830 standard; protein; 463 AA.
Novel secreted and transmembrane protein PRO328.
US2003017563-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PA (GETH.) GENENTECH INC.

Query Match
10.8%; Score 272; DB 6;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 85
                                                                       Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                           Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6;
Pred. No. 6.3e-12
                                                                                                                                                                                                                                                                                                                                                                                                               ABUS4395 standard; protein; 463 AA.

Human secreted/transmembrane protein PRO328.
19-SEP-2002.
(GETH ) GENENTECH INC.
ery Match
st. Local Similarity 31.9%; Pred. No. 6.3e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU64547 standard; protein; 463 AA.
Human secreted/transmembrane protein, #51.
31-0CT-2002.
                                                                                                                                                           ABUG6749 standard; protein; 463 AA. Human PRO polypeptide #180. US2003036180-AI. CO-FEB-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABUG7393 standard; protein; 463 AA.
Human secreted protein PRO328.
US2003023054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AB014913 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US200302...
30-0AN-2003.
(GETH ) GENENTECH INC.
10.8%; Sr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USZUUS...
06-MAR-2003.
(GETH) GENENTECH INC.
10.8%;
... Match
                                                                       10.8%;
                                                                                                                                                                                                                                                                                                                       10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-JAN-2003.
A (GETH) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
ry Match
L Local Similarity 31.9%;
                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 79
                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lougth 463;

Lough Match

RESULT 73

ID ABU71638 standard; protein; 463 AA.

DE Human PRO polypeptide #49.

PD 10-OCT-200-

DA 10-CT-200-

DA 10
PD 23-MAR-2000.
PA (GETH) GENENTECH INC.
Query Match 10.8%; Score 272; DB 3; Length 463;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO17795 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
13-2030321156-A1.
13-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO01822 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2002197671-A1.
C6-DEC-2002.
                                                                                                                                                               AMB0260 standalu, ABB0260 standalu, Human PR0328 protein.
Human PR0328 protein.
N W0200104311-A1.
D 18-JAN-2001.
PA (GETH ) GENENTECH INC.
PA (GETH ) GENENTECH INC.
10.8%; Score 272; DB 4; Ler action of the control o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU71939 standard; protein; 463 AA.
Human secreted/transmembrane protein PRO328.
US2003003530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABUT1638 standard; protein; 463 AA.
Human PRO polypeptide #49.
US2002146709-A1.
10-0CT-2002.
(GETH ) GENENTECH INC.
Duery Match
Best Local Similarity 31.9%; Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU71493 standard; protein; 463 AA.
Human PRO polypeptide #49.
US2002192659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU81049 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003004311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO328 polypeptide sequence.
WO200140466-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003002...
02-JAN-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 07-JUN-2001.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity Les Human PRO From Property Les Human PRO From US20021 PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
```

31.9%; Pred. No. 6.3e-12;

```
01-MAY-2003.
(GETH ) GENENTECH INC.
Query Match 10.8%; Score 272; DB 6; Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
Score 272; DB 6; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB19368 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003068796-A1.
                                                                                                                                                                                                                                                                                                                          ADA45879 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003022328-A1.
                                               ABUG9670 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003017463-A1.
                                                                                                                                                                                      ABO14852 standard; protein; 463 AA.
Human secreted / transmembrane polypeptide PRO328.
US2003027143-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USACCE 17-8PR-2003.
(GETH ) GENENTECH INC.
(GETH ) MATCH 10.8%; Score 272; DB 6; ISTY MATCH 10.8%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                        Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                          Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB29490 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003092002-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #180.
US2003082704-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADA76310 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003073212-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA18960 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003054517-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA61583 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US20030x...
13-MAR-2003.
(GETH) GENENTECH INC.
10.8%;
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               wuery match
Best Local Similarity 31.9%;
RESULT 94
                                                                                                                                                                                                                                                                                                                                                               PD 30-JAN-2003.
PA (GETH) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 31.9%;
RESULT 93
       10.8%;
31.9%;
                                                                                                                                                                                                                                                                      Best Local Similarity 31.9%;
RESULT 90
                                                                                                                                       Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                          06-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                            23-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 92
   Query Match
Best Local Similarity
RESULT 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
US2003049816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
Score 272; DB 6; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 6; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463
                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA85836 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003082693-A1.
                                   ADA86388 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003082711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                           PD 01_MAY_2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 31.9%; Pred. No. 6.3e-12;

RESULT 9
                                                                                                                                                                                                                                                            Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein PRO328 US2003045693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA18346 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003039971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #180.
01-Mav-non
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA67533 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003068795-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB30540 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003068794-A1.
                                                                                                                                                                                                                                                                                                                 ADA47738 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003073215-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO32804 standard; protein; 463 AA
                                                                                                                                                                         ADB15952 standard; protein; 463 AA. Human PRO polypeptide #180.
US2003087350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 10-APR-2003.
PA (GETH ) GENENTECH INC.
QUETY MATCh 10.8%;
Best Local Similarity 31.9%;
RESULT 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                              US2003u0...

08-MAY-2003.

(GETH ) GENENTECH INC.

10.8%;
                                                                                                                                                                                                                                                                                                                                                                         Cuery Match 10.8%; Best Local Similarity 31.9%; RESULT 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 06-MAR-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 10.8%;

Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-FEB-2003.
(GETH ) GENENTECH INC.
Best Local Similarity RESULT 97
                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-APR-2003
                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 101
```

```
ADA84732 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                        10-APR-2003
                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best L
RESULT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 6; Length 463; Pred. No. 6.3e-12;
                                                                                                Length 463;
                                                                                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane protein PRO328.
US2003073211-A1.
                                                                                                                                             ADA87491 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA91785 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003082694-A1.
                                                        OSCULTANO 2003.
(GETH ) GENENTECH INC.
(CSTH ) GENENTECH INC.
ery Match
10.8%; Score 272; DB 6;
ery Match
31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                 OB-MAX-ZVVJ.
(GETH ) GENENTECH INC.
iry Match
iry Match
if inilarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 10.8%; Score 272; DB 6;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 10.8%; Score 272; DB 6; Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA16321 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
22003049621-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #49.
RESULT 106

ID ADA79352 standard; protein; 463 AA.

DE Human PRO polypeptide #180.

PN US200308273-A1.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                         ADB16693 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA94024 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003077722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB14848 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003087351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 115
                                                                                                                                                                                                                                                                                                                                                         10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 17-APR-2003.
PA (GETH ) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 110
                                                                                                                                                                                                                                                                                                                        08-MAY-2003.
(GETH ) GENENTECH INC.
                                         J.H.) GENENTECH D. A.Y. March Best Local Similarity RESULT 107

ID ADAS7491 stand*
DE Novel humar
PN US2003"
PP OS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 109
                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                            RESULT 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PN
                                                                                                                                                                                                                                                                            BBKGK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A B B B B B
```

```
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                      Length 463;
                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
ADB19920 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003082691-A1.
                                                                                                                                                                                                                                                                            ABO43328 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003044945-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO328 US203082695-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 20-MAR-2003.

PA (GETH) GENENTECH INC.

QUENTY MATCh 10.8%; Score 272; DB 6;
Best Local Similarity 31.9%; Fred. No. 6.3e-12;
RESULT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                    Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                             Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA42466 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003054401-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide SEQ ID NO 360. US2003077713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #180.
01-Mav-2003
                                                                                                                                   ADB13232 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003082710-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA75206 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003073216-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                       ADA74486 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                              US200507.
06-WAR-2003.
(GETH ) GENENTECH INC.
(GETH) 5 GENENTECH INC.
                                                                                                                                                                              USZUCZCZ
01-MYZ-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2U050-01-MY-2003.
01-MY-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                  PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 10.8%;

Best Local Similarity 31.9%;

RESULT 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) 17-APR-2003.

1 (GETH ) GENENTECH INC.

Query Match 10.8%;

Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003.
(GETH ) GENENTECH INC.
bry Match
st Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #180
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
```

```
Score 272; DB 6; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%; Score 272; DB 6; Length 463; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 6; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                Length 463;
                                                                   Novel human secreted and transmembrane protein PRO328.
US2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                                              03-AFR-2003.

03-AFR-2003.

(GETH) GENENTECH INC.

10.8%; Score 272; DB 6;

ery Match 10.8%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                    Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB25279 standard; protein; 463 AA.
Human PRO polypeptide SEQ ID NO 360.
US2003077715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA93455 standard; protein; 463 AA. Human PRO polypeptide #180.
US2003077721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB31092 standard; protein; 463 AA.
Human PRO polypeptide #180.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB26805 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003092147-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #180.
01-Mav-ance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA75758 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA46983 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003073210-A1.
                                                                                                                                                                                                                                                                                 ADB29988 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003073214-A1.
Ludan Becreted and transport of the control of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 31.9%;
ESSULT 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 01-MAY 2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 31.9%;
RESULT 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best_Local_Similarity
RESULT 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best L
RESULT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT
```

```
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 463;
                                          Score 272; DB 6; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO328 US2003082765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                        Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                             Score 272; DB 6;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                         ADBZ4167 standard; protein; 463 AA. Human PRO polypeptide SEQ ID NO 360. US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA77517 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003068797-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB18257 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003077710-Al.
                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #180.
01-Mav-ance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA95944 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082759-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB26253 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA81068 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082702-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB21738 standard; protein; 463 AA
                                                                                               ADA61020 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 31.9%;
RESULT 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2003.
(GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                       10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y Match
Local Similarity 31.9%;
                                             10.8%;
                                                                                                                                                              GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                    Beet Local Similarity 31.9%;
RESULT 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                            24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003.
(GETH ) GENENTECH INC.
US2003096386-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 137
                                                              Best Local Similarity
                                                                                                                 Homo sapiens.
US2003049817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2003
(GETH ) GEN
                                                                                                                                                  13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 141
                                                                                                                                                                                                             RESULT 135
```

```
Length 463;
                                                             Length 463;
                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADABB043 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PRO328.

US2003082700-A1.

O1-MAY-2003.

(GETH) GENENTECH INC.

10.8*; Score 272; DB 7; Length
                                                                                                                                       ADA86940 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003082709-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA46431 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT MATCH INC.

Best Local Similarity 31.9%; Score 272; DB 7; Len.
RESULT 146431 standard; protein; 463 AA.

DB Novel human secreted and transport of the control of the
24-APR-2003.
(GETH) CENENTECH INC.
Query Watch 10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAR-zvus.
(GETH ) GENENTECH INC.
iry Match 10.8%; Score 272; DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 23-JAN-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 150
                                                                                                                                                                                                                                                                                     10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                    ADA16745 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003039969-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA42042 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003082540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA17389 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003017498-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA42892 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003054351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane protein, #53. US2003049622-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA13174 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB28461 standard; protein; 463 AA
Human PRO polypeptide #180.
US2003082699-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lumembrane

Lucy Match
Best Local Similarity 31.9%; Sct
RESULT 17

ID ADA88043 standard; prrt
DE Novel human secre
PN US20030827rr
PD 01-MP*
                                                                                                                                                                                                                                                                                                                                                                                                                         10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 13-MAR-2003.
PA (GETH ) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .dd/t.
.daR-2003.
(GBTH ) GENENTECH I.
Query March
Best Local Similarity .
RESULT 151
ID ADB28461 stan.
PN US?"
PD Human PP
                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                   RESULT 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 2 2 C 4
```

```
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                            Length 463;
                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                          лынвызу standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US20307313-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB22290 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087344-A1.
                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                           Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                             Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                Human PRO polypeptide #180.
US2003082706-Al.
01-MAY-2003.
(GETH ) GENENTECH INC.
10.8$; Score 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #180.
US2003022239-Al.
                                                                                                                                                                                                  ADA76965 standard; protein; 463 AA.
Human PRO polypeptide #180.
US20030599909-A1.
27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #49.
US2003064923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #180.
US200307711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA66981 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003068793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA97600 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003082686-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Le #180.

Lat ) GENENTECH INC.

Best Local Similarity 31.9%; Pree RESULT 160

ID ADB22842 standard; prof DE Human PRO polyper; Prof PD 24-AP
(GETH ) GENENTECH INC. 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USAVA---
01-MAZ-2003.
(GETH ) GENENTECH INC.
MATCh --- 1 arity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-APR-2003.
(GETH ) GENENTECH INC.
Query Match
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                               10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 03-APR-2003.

PA (GETH) GENENTECH INC.

QUETY MATCh 10.8%;

Best Local Similarity 31.9%;

RESULT 159
                                                                                                                                                                                                                                                                           Match
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                         Query Match
Best Local Similarity
RESULT 152
                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity
RESULT 156
                                                                                                                                                                        Best_Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 158
                                                                                                                                                                                     RESULT 153
ID ADA76965 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                    17-APR-2003
                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
24-APR-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loca
RESULT 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                             PD 01-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match 10.8%; Score 272; DB 7; Length 463;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                           Length 463;
                                                                                                                                                                                                                   Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB38100 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087347-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB66572 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003082689-A1.
                                                                                                                                                                                                                                                                                                                                                                                        ADB38652 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003082766-A1.
                                                                                                                                        ADA92337 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PRO3288.
US2003082712-A1.

(GETH ) GENENTECH INC.
                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                  Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB77811 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003077654-A1.
RESULT 161
ID ADB23615 standard; protein; 463 AA.
DE Human PRO polypeptide SEQ ID NO 360.
PN US2003077712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB90384 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082762-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB89652 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003082698-A1.
                                                                                                                                                                                                                                                              ADB15400 standard; protein; 463 AA Human PRO polypeptide #180.
US2003087352-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003-0---
08-MAX-2003.
(GETH ) GENENTECH INC.
10.8%; S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 01-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                       East Local Similarity 31.9%;
RESULT 164
                                                                                                                                                                                                                  y Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                        ..2003.
..ary Match
..ery Match
Best Local Similarity .
RESULT 162
ID ADA92337 standar
DE Novel humar
PN US20030"
PP 01-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                       Best Loc
RESULT 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best I
RESULT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
                                                                                                                                                                                                                                                                      BBBBB
```

```
Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                Length 463;
                                                                                                                                                                                                         Length 463;
ADB39485 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003082764-A1.
                                                                                                                                                                                                                                                        -ADB47108 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB77320 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003082696-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 10.8%; Score 272; DB 7; Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 175
                                                                                                                                                                                                           Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12
                                                                                 Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                              ADB74947 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003082542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide SEQ ID NO 360. US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB33925 standard; protein; 463 AA. Human PRO polypeptide SEQ ID NO 360. US2003077716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide SEQ ID NO 360. 24-app.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide SEQ ID NO 360.
US2003077717-A1.
                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #180.
01-Mav-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 179
ID ADB36133 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US20030,,,,
24-APR-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USZOUSC.
24-APR-2003.
(GETH ) GENENTECH INC.
"MATCh ''larity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10.8%;
                                                                                                                                                                                                                                                                                         PD 01-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 173
                                         USZUUJOU
01-MAY-2003.
(GETH ) GENENTECH INC.
Match 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%;
                                                                                                                                                                                                           Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                  01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best_Local Similarity RESULT 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best_Local_Similarity
RESULT 174
                                                                                                Best Local Similarity RESULT 171
```

Length 463;

```
Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                       Query Match 10.8%; Score 272; DB 7; Length 463; Best Local Similarity 31.9%; Pred. No. 6.38-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AUCS/288 standard; protein; 463 AA.
Novel human secreted and transmembrane protein Seq ID360.
US200307366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC52934 standard; protein; 463 AA.
Novel human secreted and transmembrane protein Seg ID360.
US2003087365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC60479 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC50401 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003092106-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC71948 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003092107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC59927 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003092105-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 15-WAY-2003.

PA (GETH ) GENENTECH INC.

QUELY MATCh

10.8%; SCORE 272; DB 7;

BEST LOCAL Similarity 31.9%; Pred. No. 6.38-12;

RESULT 193
                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12,
                                                                                      ADC34007 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003073077-A1.
                                                                                                                                                                                                                                                                                                                                                                        AbC13077 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003073079-A1.
PN US2003054400-A1.
PD 20-MAR-2003.
PA (GETH ) GENENTECH INC.
QUETY MATCh 10.8%;
BEST LOCAL Similarity 31.9%;
RESULT 189
                                                                                                                                    US200302.
20-WAR-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 31.9%;
RESULT 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PA (GETH ) GENENTECH INC.
Query March
Best Local Similarity 31.9%;
RESULT 194
                                                                                                                                                                                                                                                                                          17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                             17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                      Length 463;
                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                 ADB46528 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PR0328-
US2003082692-A1.

(GETH ) GENENTECH INC.
                                                                                                                    Luery March 1NC.

Best Local Similarity 31.9%; Score 272; DB 7; Len RESULT 181

ID ADC28593 standard; protein; 463 AA.

PN W2200309772-A1.

PA .....

PA .....

PA .....
                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                           ADC39793 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC40307 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003059829-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC19131 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003036061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC34431 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003036094-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein, #53. (132003049676-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein, #53.
US2003049677-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC40902 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
 Human PRO polypeptide SEQ ID NO 360.
US2003077720-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC29017 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                            10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.8%;
                                 PD 24-APR-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 10.8%;

Best Local Similarity 31.9%;

RESULT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 31.9%;
RESULT 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  J4-A1.

2003.

2003.

Zry Match

Best Local Similarity 3
RESULT 186
ID ADC29486 stander
DE Human secret
PN US2030*
PD 13-**
                                                                                                                                                                                                                                                                                                                                                                                                                        20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                 2003.

2003.

214 J GENENTECH 1.

217 Match
Best Local Similarity ...
RESULT 182
ID ADC39793 stande
DE Human secre
PN US2003°
PD 27-
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 188
ID ADC40902 standard; I
DE Human secreted/trans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
```

Length 463;

Length 463

Length 463

Length 463

Length 463

Length 463;

```
Query Match
                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                 Length 463;
                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC58511 standard; protein; 463 AA.
Novel human secreted and transmembrane protein Seg ID360.
US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC59063 standard; protein; 463 AA.

Novel human secreted and transmembrane protein Seq ID360.
US2003087359-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein Seg ID360.
US2003087360-Al.
                                                                                                                                                                                                                                                                                                                                                           Local Similarity 31.9%; Pred. No. 6.3e-12;

Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC53540 standard; protein; 463 AA.
Novel human secreted and transmembrane protein Seg ID360.
US2003087364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD03185 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003092104-A1.
15-MAY-2003.
                                                                                                     ADC50954 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PR0328.
US2003087361-A1.
08-MAY-2003.
(GETH.) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                 PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12,
                                                                 Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC12529 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003082541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC55941 standard; protein; 463 AA.
                                                                                                                                                                                                                                      ADC65481 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003087362-A1.
/S2003uca.
31-MXY-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003000.
08-MAY-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 06-MAY-2003.
PA (GETH) GENEWIECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 31.9%;
RESULT 203
                                                                                                                                                                                     Best Local Similarity 31.9%;
RESULT 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD04589 standard; protein; 463 AA.
ADD0461 human secreted and transmembrane protein PRO328.
US2003087354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC80545 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003092103-A1.
                                                                       ADC90177 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328 US2003087348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                        OS-XX-2-2003.
OS-MAX-2003.
(GETH ) GENENTECH INC.
10.8%; Score 272; DB 7;
Lery Match
11.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
PA (GETH ) GENENTECH INC.
Query Match
10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 207
                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD05084 standard; protein; 463 AA. Human secreted/transmembrane protein, #53. US2003104469-A1.
                                                                                                                                                                                                       DE Human PRO polypeptide #180.
PN US2003194770-A1.
PD 16-OCT-2003.
PM (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #180.
US2003194771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD11052 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD10014 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003194776-A1.
                                                                                                                                                                                                                                                                                                                                                                 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003.
(GETH) GENENTECH INC.
10-GETY MATCH 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-MAY-2003.
(GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 31.9%;
RESULT 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                             ADC48485 standard; protein;
Human PRO polypeptide #180.
US2003194773-A1.
IG-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 212
                                                                                                                                                                                Best Local Similarity RESULT 208
```

```
ADD51762 standard; protein; 463 AA.

Human PRO polypeptide #180.
US2003194779-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
10.0%; Score 272; DB 7; Length 463;
                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                        Length 463;
                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                    ADC79993 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003087358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD41.75 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003203438-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD53606 standard; protein; 463 AA. Novel human secreted and transmembrane protein PRO328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 12-JUN 2003.
PA (GETH) GENENTECH INC.
Query Match 10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Fred. No. 6.3e-12;
RESULT 220
                                                                                                                                                                                                                                                                                                                                                                                                            US400-1-2003.

05-JUN-2003.

(GET) GENENTECH INC.

(GET) MATCh 10.8%; Score 272; DB 7;

(GET) MATCh 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PD 30-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 31.9%; Pred. No. 6.3e-12;

RESULT 221
                                                      10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                   ADD04090 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003104381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane protein, #53. #53. 12.mm.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #180.
10S2003194769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD53054 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194792-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                     ADD09462 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194775-A1.
                                                                                                                                                                                                                                                                    US2003157...
16-OCT-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                     10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                    08-MAY-2003.
(GETH ) GENENTECH INC.
Lery Match
Best Local Similarity
RESULT 216
ID ADC79993 stands
DE Novel humar
PN US2003^*
PD 08-**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                  Duery Match
Best Local Similarity
RESULT 218
ID ADD04090 standard; pr.
DE Human secreted/transm.
PD 05-JUN-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 219
                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003203437-A1.
                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                     RESULT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ASSES ASSES
```

```
Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.8%; Score 272; DB 7; Length 463; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463
                                                                                                                                                                                                                                                                                                                                       ADD54177 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003203432-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE32301 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003194765-A1.
Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                     Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 7;
Pred. No. 6.3e-12;
                                        ID ADD02561 standard; protein; 463 AA.

DE Human PRO polypeptide #180.

PN US2003203431-A1.

PD 30-OCT-2003.

PA (GETH) GENENTECH INC.

QUETY MATCH

BEST Local Similarity 31.9%; Pred. NO RESULT 226
                                                                                                                                                                                         ADD01995 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003203430-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD92494 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199030-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE04004 standard, protein; 463 AA.
Human PRO polypeptide #180.
VS2003199057-A1.
Z3-OCT-2003.
A (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADE22233 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199056-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein; 463 AA
                                                                                                                                                                                                                             US2003223
30-0CT-2003.
(GETH ) GENENTECH INC.
10.8%; Sr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 31.9%;
RESULT 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
ry Match 10.8%;
t Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #180. US2003199055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-OCT-2003.
(GETH ) GENENTECH INC.
ery Match 10.8%;
st Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #180.
US2003203428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) 30-OCT-2003.

( GETH ) GENENTECH INC.

Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD79457 standard;
                                                                                                                                                                                                                                                                                                                                                                                                   30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 16-0CT-2003.

PA (GETH ) GENENTECH INC.
Query Match 10.8%; Score 272; DB 7; Length 463; Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match
Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                           Length 463;
                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DE ADE33957 standard; protein; 463 AA.

DE Novel human secreted and transmembrane protein PR0328.

PN US2003194791-A1.

PD 16-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match

Query Match

Best Local Similarity 31.9%; Pred. No. 6.3e-12;

RESULT 239
                                                                                                                                                                                                                                                                                                                                                                                                                  ADE33405 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003194767-A1.
                                                                                                                                                                                                                            Query Match 10.8%; Score 272; DB 7; Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                            10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE34918 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003077583-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE19466 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199025-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD80009 standard; protein; 463 AA. Human PRO polypeptide #180.
US2003207417-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD93046 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194768-Al.
                                                                                                                                                                                                                                                                             ADD91942 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003199033-A1.
CGETH ) GENENTECH INC.
            ADE41993 standard; protein; 463 AA.
Human PRO polypeptide #180.
1052003194772-A1.
16-OCT-2003.
                                                                                                                                             ADE17810 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199023-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US20030...
24-APR-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 23-0CT-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 31.9%;

RESULT 242
                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 31.9%;
RESULT 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003.
(GETH ) GENENTECH INC.
                                   (GETH ) GENENTECH INC.
                                                                              (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Si
RESULT 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
RESULT SID ADD DE HUN DS PN USS PD 16 PA CG
```

```
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                             Length 463;
                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE32853 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PRO328.
US2003194766-AI.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Match 10.8%; Score 272; DB 7; Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                             Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                               Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                      DE Human PRO polypeptide #180.
PN US2003199033-A1.
PD 23-OCT-2003.
PM (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #180.
(92,003199028-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD80561 standard; protein; 463 AA. Human PRO polypeptide #180. US2003207418-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE42545 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199032-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 31.9%; Pred.
RESULT 252
ID ADE40873 standard; protein, 463 AA.
                                                                                                                                                                                                                                                           ADE22785 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD78903 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003203429-A1.
ADE18914 standard; protein; 463 AA. Human PRO polypeptide #180. 22303199026-AA. 23-GCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 31.9%;
RESULT 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 31.9%;
RESULT 251
                                                                                                                                                                                                                                                                                                         PD 23-0CT-2003.
PA (GETH ) GENENTECH INC.
QUETY MATCH 10.8%;
Best Local Similarity 31.9%;
RESULT 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                             Best Local Similarity 31.9%;
RESULT 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-OCT-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #180.
US2003199064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-200
```

Length 463;

Length 463;

Length 463;

S D DE L

25252

```
ADH55842 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207379-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADIG5010 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADM82540 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087355-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADIG3509 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003207387-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH81923 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003207388-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH81371 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003207377-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                           ADI64061 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
                                                   Score 272; 'DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADJ26448 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003054349-A1.
                                                                                                                                                                                                                                    ADI30180 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003054352-A1.
                                                                                                                                   US200240.2
06-NOV-2003.
(GETH ) GENENTECH INC.
MATCh 10.8%; S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003.06-NOV-2003.
06-NOV-2003.
(GETH ) GENENTECH INC.
10.8%; S
                                                                                                                                                                                                                                                                                                                                                                                                                  USZUCZZOGO OG-NOV-2003. (GETH ) GENENTECH INC. 10.8%;
                                                 10.8%;
                                                                                                                                                                                                                                                                                                                          10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PA (GETH ) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 31.9%;
RESULT 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 10.8%; Local Similarity 31.9%;
US2003207381-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                          20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                 Best Local Similarity
RESULT 262
                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                US2003207385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                     Query Match
                                                                                                                                                                                                      Score 272; DB 7; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH55290 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
                                                                                                                                                                                                                                                                                                                                                                                           ADG21510 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
USC03207355-A1.
USCNOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG23151 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207384-A1.
                   PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 253
                                                                                                                                                                                                                                                                                                                                           Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%; Score 272; DB 7; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein, #53 US2003039972-A1.
                                                                                                             ADE04672 standard; protein; 463 AA. Human PRO polypeptide #180. US2003199034-A1. 33-OCT-2003. (GFH.) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #180.
US2003207370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG80550 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH59401 standard; protein; 463 AA.
                                                                                                                                                                                                                                                      ADE92801 standard; protein; 463 AA. Human PRO polypeptide #180.
US2003194777-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 31.9%; Pr RESULT 260
ID ADH59401 standard; proper National Similarity 31.9%; Pr Pr US200303997*
Ph US200303997*
Ph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39972...
-2003.
) GENENTECH INC.
10.8%; Sr
                                                                                                                                                                                                                                                                                                                                           10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.8%;
                                                                                                                                                                                               Best Local Similarity 31.9%;
RESULT 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG79998 standard; protein;
Human PRO polypeptide #180.
US2003207372-A1.
Human PRO polypeptide #180.
US2003199031-A1.
                                                                                                                                                                                                                                                                                                        16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                        2003.
2003.
2003.
2ry Match
Best Local Similarity SESULT 256
ID ADG21151 stander
DE Novel humar
PN US2032.
PD 06-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 259
                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 261
                                                                                                                                                                                                                                                                                                                                             Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
```

Length 463;

Length 463;

Length 463

Length 463;

RESULT 258
ID ADG8055
DE Human E
PN US20032
PD 06-NOV-

Length 463;

Length 463;

```
Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                           Length 463;
                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 463;
                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC81097 standard, protein; 463 AA.

Novel human secreted and transmembrane protein PR0328.
US200392113-A1.
15-MAY-2013.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADN14835 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087357-A1.
                                                                                                                                                                                                                                                                                                                                            ADN15387 standard, protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087356-A1.
(GBTH ) GENENTECH INC.
                                                                                                                                                                                           AUNIESES standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2000187385-A1.
                                                         AUNIDENS standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003087353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 8;
Pred. No. 6.3e-12;
                 uvery match
10.8%; Score 272; DB 7;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 271
                                                                                                                                                                                                                                                                             Query Match 10.8%; Score 272; DB 7; Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                          Score 272; DB 7;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE79363 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003135025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD87909 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003092113-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDB6313 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003203440-Al.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD76545 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003100087-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USZUOLL-2003.
17-JUL-2003.
(GETH ) GENENTECH INC.
Match 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 31.9%;
RESULT 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                             10.8%;
                                                                                                             PD 08-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                                                                                                 08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
```

```
Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8;
Pred. No. 6.3e-12;
            10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
PA (UDD...)

Query Match

Best Local Similarity 31.70,

RESULT 280

ID ADE79787 standard; protein; 463 AA.

ID Human secreted/transmembrane protein, #53.

PN US2003130489-A1.

PN US2003130489-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE73998 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003148370-A1.
                                                                                                                                                                                                                                                                                                                             ADE73463 standard; protein; 463 AA. Human secreted/transmembrane protein, #53. US2003129592-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #180.
032003199062-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD87357 standard, protein; 463 AA.
Human PRO polypeptide #180.
US2003203439-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE23889 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003092110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE24532 standard; protein; 463 AA. Human PRO polypeptide #180. US2003092111-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE2337 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003092108-A1.
                                                                                                                                                                                                 protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-WAY-2003.

15-MAY-2003.

(GETH ) GENENTECH INC.

10.8%;

orv Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 31.9%;
RESULT 286
                                                                                                                                                10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PD 15-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match 10.8%;

Best Local Similarity 31.9%;

RESULT 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 282
                                                                                                                                                                                                                 Human PRO polypeptide #180
US2003211571-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                   10-JUL-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                    13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 283
                                                                                                                                                              Best Local Similarity RESULT 281
                                                                                                                                                                                                   ADE75761 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 287
```

```
Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  vuery Match 10.8%; Score 272; DB 8; Length 463;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PD 23-OCT-2003.

PA (GETH ) GENENTECH INC.

Query Match 10.8%; Score 272; DB 8; Length 463;

Best Local Similarity 31.9%; Pred. No. 6.3e-12;

RESULT 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 10.8%; Score 272; DB 8; Length 463;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC. 10.8%; Score 272; DB 8; Length 463;
                                                         Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 23-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match 10.8%; Score 272; DB 8;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;

RESULT 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 10.8%; Score 272; DB 9;
Best Local Similarity .31.9%; Fred. No. 6.3e-12;
RESULT 297
                                                                                                                                                                                          Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE98671 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003211569-A1.
                                                                                                                                                                                                                                                                                                                                                                             ADE99552 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003211576-A1.
                                                                                                       ADE18362 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194794-A1.
                                                                                                                                                                                                                                          ADE88671 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE95243 standard, protein; 463 AA.
Human PRO polypeptide #180.
US2003199052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE91102 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE93353 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF34934 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199029-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE94691 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199027-A1.
                                                       10.8%;
                                                                                                                                                                                                                                                                                                                        Best Local Similarity 31.9%;
RESULT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 293
                                                                                                                                                                                         Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 290
                                                                                                                                                                                                                                                                                                                                                                                                                            13-NOV-2003.
(GETH ) GENENTECH INC.
Best Local Similarity ... RESULT 289 ID ADE18362 stand>DE Human PRO r PN US20031
                                                                                                                                                           16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                              23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                              BERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PN PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2226
```

```
Length 463;
                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                          ADE92249 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003199051-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUG22062 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207360-A1.
                                                                                                                                                                                                                                                                                                                                                       ADE91697 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003199058-A1.
Best Local Similarity 31.9%; Pred. No. 6.38-12; RESULT 298
                                                                                                                                         Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                   23-OCT-2003.
(GETH ) GENENTECH INC.
10.8%; Score 272; DB 8;
st Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 301

ID ADE99098 standard; protein; 463 AA.

DB Human secreted/transmembrane protein, #53.

PN US2003211568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 303

ID ADF73962 standard; protein; 463 AA.

BE Human secreted/transmembrane protein, #53.

PN US2003180312-A1.

PD 25-SEP-2003.

PA (GETH ) GENENTECH INC.

Best Local Similarity 31.9%; Pred. No. 6.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG40568 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003225253-A1.
                                                                                                                                                                                                 ADE90550 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003199063-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -.. scandard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG20132 standard; protein; 463 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                         / Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                              Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GODD/) GODDARD A.
(GODO/) GODOWSKI P J.
(GURN/) GURNEY A L.
(MAIL/) MATHER J P.
(WILL/) WILLIAMS P M.
(WODD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DESNOYERS L.
                                                                                                                                                                                                                                                            23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-DEC-2003
                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GODD/)
(GODD/)
(GURN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 305
```

```
04-SEP-2003.
(GETH ) GENENTECH INC.
US2003166051-A1.
                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                             Length 463;
                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                         USACCETOR USACCETOR OF GENERAL OF AND GENERAL OF AND TO SECORE 272; DB 8; GETY MALCh 10.8%; SCORE 272; DB 8; GETY MALCh 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                      Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                 Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF73538 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DE Human PRO polypeptide #180.

PN US2003207351.A1.

PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUERY MATCh

Best Local Similarity 31.9%; Pred. No.

RESULT 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Abdistrate standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207359-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
10.8$; SCOPE 27
Dury Match, 311.9$; Pred. NC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #180.
05-Nov.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG05205 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207375-A1.
                                                                                                                                                                                                                                                                                                                                                     ADF98609 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003208055-A1.
GG-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADF99161 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207353-A1.
                                                                                                    Human PRO polypeptide #180.
052003207422-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 312
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 31.9%;
RESULT 310
                                                                                                                                                  PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 31.9%;

RESULT 308
                                                                  10.8%;
      Human PRO polypeptide #180.
US2003207376-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                            Best Local Similarity RESULT 307
                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                Query Match
                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 313
                                                                                                                                                                                                                                                                                                                                                           PONED
```

```
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463
                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                       Length 463;
Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG07190 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG24893 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207427-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO328.
US2003207389-A1.
                                                                                                                                                                ADG08366 standard, protein; 463 AA.

Novel human secreted and transmembrane protein PR0328.
US2003207424-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 8;
6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8;
Pred. No. 6.3e-12;
Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                       Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                           Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 272;
Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #180.
192003219885-A1.
                                    Human PRO polypeptide #180.
US2003207357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG03992 standard; protein; 463 AA
                                                                                                                                                                                                                                                                                                                                                                                                             463 AA
                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 317

TD ADDPS6834 standard; protein; 463

DE Human PRO polypeptide #180.

PN US2003207371-A1.

PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 31.9%; Pr

RESULT 320

ID ADG06119 standard; protein; 463

PE Human PRO polypeptide #180.

PN US2003207374-A1.

PN (GETH) GENENTECH INC.

PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003xv...
06-NOV-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH) GENENTECH INC.
Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                        US200341.2
27-MOV-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 10.8%; Local Similarity 31.9%;
                                                                                                                    Query Match
Best Local Similarity 31.9%;
RESULT 317
                                                                                                                                                                                                                                           Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 318
   10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #180
US2003207423-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best_Local Similarity RESULT 324
                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 319
              Best Local Similarity RESULT 316
                                                                                               06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
```

Length 463;

Length 463;

Length 463;

Length 463;

A B E E E

Length 463;

Length 463;

Length 463

RESULT 333

Query

```
ADHIÎ983 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PRO328.

NUS2003207419-A1.

OG-NOV-2003.

A (GFTH ) GENENTECH INC.

Odery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                       ADGS8549 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207368-A1.
                                                                                                                                                                                                                                             ADG70915 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207420-A1.
(GENOV-2010) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG57997 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABG71467 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207421-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane protein PRO328.
US2003207415-A1.
                                                   Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                           Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                       ADG92808 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003027146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #180.
US2003207805-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH30616 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2003077723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG53581 standard; protein; 463 AA.
(GETH ) GENENTECH INC. 10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US20030,,,_
24-APR-2003,
(GETH ) GENENTECH INC,
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003.
06-NOV-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                         PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
RESULT 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10.8%;
                                                                                                                                                                                                                                                                                                                                     Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                              06-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                Best Local Similarity RESULT 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                            06-NOV-2003
                                  PA (Gery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     query Match 10.8%; Score 272; DB 8; Length 463;
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 330
                                                                       Length 463;
                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 463;
                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO328.
US2003194778-Al.
                                                                                                                                                                                                                                                                                                                                                                                                      ADG60901 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207390-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG62005 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG57445 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG56893 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG55789 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
06-NOV-2003.
                                                                                                                     ADG07742 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328
US2003207356-A1.
                                              GENENTECH INC.

h

similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG92381 standard, protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003027145-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG82206 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003207358-A1.
                                                                                                                                                                                                                                                                                                US20031>>.
16-OCT-2003.
(GETH ) GENENTECH INC.
10.8%; SC
                                                                                                                                                                                                              10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
QUery Match 10.8%;
Best Local Similarity 31.9%;
RESULT 329
                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-FEB-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 332
                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                              Best Local Similarity
                                    06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003
                                                                       Query Match
                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
RESULT 352
ID ADH20597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loca
RESULT 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 358
                                                                                                                                                                                                                                                                                                                                                                           RESULT 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463
                                                                                                                                                                                                                                                                                                                                                                                                   Length 463;
                                                                                                                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and transmembrane protein PRO328.
US2003207369-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG54685 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328. US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG61453 standard; protein; 463 AA.
ADG61453 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH12607 standard; protein; 463 AA.

Novel human secreted and transmembrane protein PRO328.
US2003207378-A1.
06-NOV-2003
GENTH ) GENENTECH INC.
10.8%; SCOIF 272; DB 8; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG56341 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207366-A1.
                                                                                                                                                                           ADG54133 standard; protein; 463 AA. Novel human secreted and transmembrane protein PRO328. US2003207416-A1.
                                      ADG52405 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207414-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OSZVOV-2003.
(GETH ) GENENTECH INC.
10.8%; Score 272; DB 8;
                                                                                                                                                                                                               PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 31.9%; Pred. No. 6.3e-12;
RESULT 345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 10.8%; Score 272; DB 8; Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                           10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
     31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH28540 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003022331-A1.
                                                                                                                                                                                                                                                                                                               ADG81102 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003194793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003vc...
30-JAN-2003.
(GETH ) GENENTECH INC.
-- MATCh ...13rity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2005.
06-NOV-2003.
(GETH ) GENENTECH INC.
10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 31.9%;
RESULT 348
                                                                                                                                                                                                                                                                                                                                                             PD 16-0CT-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 31.9%;

RESULT 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                     ..4-A1.
.2003.
.ery Match
Best Local Similarity
RESULT 344
ID ADG54133 stand
DE Novel humar
PN W122003***
PD 06***
                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 350
     Best Local Similarity RESULT 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 349
```

```
Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                    Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI37746 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003096340-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AD165487 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003148419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADII8767 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003152999-A1.
                                                                                                                                                                                                                                                                                                                                                                     AL 1539997 standard; protein; 463 AA.

Human secreted/transmembrane protein, #53.

10-NOV-2003.

CGETH ) GENENTECH INC.

CGY Match

St. Local Similarity 31.9%; Pred. No. 6.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH07025 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004005665-A1.
ADH20597 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004005533-A1.
(GB_JAN_2004.
(GETH ) GENENTECH INC.
                                                                                                                                    ADH07452 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004006211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADIBI149 standard; protein; 463 AA. Human PRO polypeptide #180. US2003207361-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 31.9%;
RESULT 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.8%;
                                                                                                                                                                                                                                                                                                                       10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 10.8%; Local Similarity 31.9%;
                                                                               Local Similarity 31.9%;
RESULT 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (DESN/) DESNOYERS I.
(GODD/) GODDOWSKI P. J.
(GURN/) GURNEY A L.
(MATH/) MATHER J P.
(WILL/) WILLIAMS P.
(WILL/) WILLIAMS I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                      DESNOYERS L.
GODDARD A.
GODOWSKI P J.
                                                                                                                                                                                                                                                      GURNEY A L.
MATHER J P.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                           . Match
Local Similarity
                                                                                                                                                                                                                                                                                                           (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-JAN-2004.
(DESN/) DESN
(GODD/) GODD
(GODO/) GODO
(GURN/) GURN
(MATH/) MATH
                                                                                                                                                                                       08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                          (GODD/)
(GODO/)
(GURN/)
(MATH/)
                                                                                                                                                                                                                                                                                         (WILL/)
```

```
Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                 Length 463;
                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                 Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 463;
                                                                                                                                                                                                                                                                                                                            ADI15363 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207382-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG09240 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2004009547-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADI14695 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADI18290 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207349-A1.
                                                             ADG09892 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2004009548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lear Match Best Local Similarity 31.9%; Score 272; DB 8; Len RESULT 367

ID ADJ99714 standard; protein; 463 AA.

PN US200318738-A1.

PD 02-OCT-2002
             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                            10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 10.8%; Score 272; DB 8; Best Local Similarity 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                            ADH97546 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003190610-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH60657 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004023331-A1.
             10.8%;
                                                                                                                                                                                                                                                                       Best Local Similarity 31.9%;
RESULT 362
                                                                                                                                                                                                                                                                                                                                                                                                            10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.8%;
31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 31.9%;
RESULT 364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (DESN/) DESNOYERS L. (GODO/) GODDARD A. (GODO/) GODOWSKI P J. (GURN/) GURNEY A L. (WILL/) MATLLIAMS P M. (WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                             09-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 366
             Query Match
Best Local Similarity
RESULT 360
                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003
                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                RESULT 361
```

```
Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 10.8%; Score 272; DB 8; Length 463; Best Local Similarity 31.9%; Pred. No. 6.3e-12; RESULT 377
                                                                                                                                                                                                                                                                                                                                                  Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 463;
                                                                                                                                                       Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ63571 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2004039164-A1.
                                                                                                                                                       Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                 PD 22-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

10.8%; Score 272; DB 8;

RESULT 370.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 272; DB 8;
Pred. No. 6.3e-12;
RESULT 368

ID ADLO8907 standard; protein; 463 AA.

DE Human secreted/transmembrane protein, #53.

PN US2003186358-A1.

PD 02-OCT-2003.

PA (GETH ) GENENTECH INC.

Query Match

Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM29998 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003190611-A1.
                                                                                                                                                                                                                     ADM25248 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
US2003096233-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 31.9%; Pred.
RESULT 375
ID ADM42448 standard; protein; 463 AA.
DE Human PRO polypeptide #180.
PN US2004058424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AD006320 standard; protein; 463 AA.
Human PRO polypeptide #49.
US6686451-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ77466 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2004038336-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADM27724 standard, protein, 463 AA.
Human PRO polypeptide #180.
US2004048333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     463 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
ry Match 10.8%;
t Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 25-MAR-2004.

PA (GETH ) GENENTECH INC.

QUETY MATCh 10.8%;

Best Local Similarity 31.9%;

RESULT 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #180. US2004038335-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 10.8%;
Best Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 10.8%;
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     y Match
Local Similarity 31.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                    Best Local Similarity RESULT 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Si
RESULT 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
RESULT 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 374
```

```
US2003152922-A1.
                                                                                                                                                                                                                                                       GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (TUMA/)
(WILL/)
(WOOD/)
                                                                                                                                                                                             EATO/)
                                                                                                                                                                                                                                                                                                                                                                                                                                ROYM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                 STEW/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 387
ID AAW631
DE A huma
PN WO9829
PD 09-JUI
PA (INCY-
                                                                                                                                                                                                                                       FONG/
                                                                                                                                                                                                                                                                                                                                            GURN/
                                                                                                                                                                                                                                                                                                                                                                                                                    PAON/
                                                                                                                                                                                                                                                                                                                                GRIM/
                                                                                                                                                                                                                                                                                                                                                                                                       PANJ/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 388
                                                                                                                                                                                                                                                        GAOW/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 272; DB 8; Length 463;
Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 272; DB 8; Length 463; Pred. No. 6.3e-12;
                                                                               Length 463;
                                                                                                                                                                                                Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADI96344 standard; protein; 463 AA.
Novel human secreted and transmembrane protein PRO328.
US2003207354-A1.
                                                                               Score 272; DB 8;
Pred. No. 6.3e-12;
                                                                                                                                                                                                  10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADICS914 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2003148371-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADT03757 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53
                                                                                                                          ABN1172 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004137561-A1.
                                                                                                                                                                                                                                            ADR18081 standard; protein; 463 AA.
Human secreted/transmembrane protein, #53.
US2004147017-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI95792 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2003077659-A1.
         ADM28310 standard; protein; 463 AA.
Human PRO polypeptide #180.
US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lucary Match
Best Local Similarity 31.9%;
RESULT 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 31.9%;
RESULT 383
ID ADT03757 standard; protein;
DE Human secreted/transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 10.8%;
Best Local Similarity 31.9%;
RESULT 380
                                                                                10.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                           GERRITSEN M E.
                                                         22-APR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                           15-JUL-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GODOWSKI P J. GRIMALDI C J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ROY M A.
STEWART T A.
TUMAS D.
                                                                                                                                                                                                                                                                                                       ASHKENAZI A.
BOTSTEIN D.
DESNOYERS L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WILLIAMS P M. WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KLJAVIN I J
MATHER J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best_Local_Similarity
RESULT 381
                                                                                                                                                                                                                                                                                                                                                                                FILVAROFF E.
                                                                                  Query Match
Best Local Similarity
RESULT 378
                                                                                                                                                                                                                Best Local Similarity RESULT 379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GURNEY A L.
HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PAN J.
PAONI N F.
                                                                                                                                                                                                                                                                                                                                                       EATON D L.
FERRARA N.
                                                                                                                                                                                                                                                                                                                                                                                                               GAO W.
GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                   FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MOOD/)
                                                                                                                                                                                                                                                                                                                                         DESN/
```

```
PD 24-JUN-2004.
PA (INCY-) INCYTE CORP.
Query Match
Best Local Similarity 31.9%; Pred. No. 3.3e-12;
RESULT 386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A ADPOVIT4 standard; protein; 270 AA.

Human secreted protein, seq id 197.

NO2004042000-A2.

21-MAX-2004.

4 (HUMA-) HUMAN GENOME SCI INC.

QUERY Match

10.7%; Score 271; DB 8; Length 270;

Best Local Similarity 31.9%; Pred. No. 4e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     / Match
Local Similarity 26.1%; Pred. No. 2.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 463;
                         Length 463;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW63115 standard; protein; 270 AA.
A human pathogenesis-related protein designated HPRP.
WO9829448-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A.E.10618 standard; protein; 498 AA.
Human novel trypsin inhibitor-like protein, NOV-4d.
WO200162928-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH71198 standard; protein; 498 AA.
Human protein of the invention NOV6g SEQ ID NO:94.
WO2003102155-A2.
11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 267; DB 2;
Pred. No. 8.1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                           10.8%; Score 272; DB 8; 31.9%; Pred. No. 6.3e-12;
                                                                        ADS74720 standard; protein; 463 AA.
Human secreted/transmembrane protein #53.
US2004185531-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADP43676 standard; protein; 225 AA.
Human PMMM-33 protein SEQ ID NO:33.
WO2004053068-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JUL-1998.
(INCY-) INCYTE PHARM INC.
Query Match
Best Local Similarity 31.5%;
                                                                                                                                                                                                                                                                                                                                                                                    GRIMALDI C J.
GURNEY A L.
HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-AUG-2001.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                 GERRITSEN M E.
GODDARD A.
14-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                           KLJAVIN I J.
MATHER J P.
PAN J.
PAONI N F.
ROY M A.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WILLIAMS P M.
                                                                                                                                                                                                                     EATON D L.
FERRARA N.
FILVAROFF E.
FONG S.
                                                                                                                                                                                                                                                                                                                                                                      GODOWSKI P J.
                                                                                                                                                              (ASHK/) ASHKENAZI A.
(BOTS/) BOTSTEIN D.
(DESN/) DESNOYERS L.
                               Query Match
Best Local Similarity
RESULT 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                 GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TUMAS D.
```

```
Human membrane bound receptor/protein PRO9783 amino acid sequence. US2003065147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-MAY-2003.
(GETH ) GENENTECH INC.
10.3%; Score 260.5; DB 7; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 260.5; DB 7; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                            Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                  Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 260.5; DB 7; Length 497;
Pred. No. 4.9e-11;
                                                                                                                                       Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 260.5; DB 7; Length 497;
 DB 6; Length 497;
                                                                                                                                                                                     ADB83546 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US20030314-A1.
17-ARR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                   ADB80652 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003088068-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB73193 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US200309688-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB78275 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003092889-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB78029 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003092886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                       Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                          Score 260.5; DB 7;
Pred. No. 4.9e-11;
10.3%; Score 260.5; DB 6, 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB84923 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003073817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB87095 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003088067-AI.
(GBTH ) GENENTECH INC.
                                                 ABJ72085 standard; protein; 497 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB84677 standard; protein; 497 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US20000
15-WAY-2003.
(GETH ) GENENTECH INC.
MATCh 10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003.
(GETH ) GENENTECH INC.
20ery Match 10.3%;
                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 26.1%;
RESULT 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10.3%;
                                                                                                   03-APR-2003.
(GETH ) GENENTECH INC.
2ry Match 10.3%;
st Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                     LU.3%;
Best Local Similarity 26.1%;
RESULT 402
                                                                                                                                                                                                                                                                                                                                                                                                                  10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #28.
US2003092890-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-APR-2003.
(GETH ) GENENTECH INC.
              Best Local Similarity RESULT 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                     Best Local Similarity 26.1%; Score 260.5; DB 4; Length 497;
RESULT 391
DE Human PRO protein; 497 AA.
PN WO20208288-A2.
PD 31-JAN-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 10.3%; Score 260.5; DB 6; Length 497; Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 260.5; DB 6; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                            DB 5; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 5; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.3%; Score 260.5; DB 6; Length 10.3%; Score 260.5; DB 6; Length 26.1%; Pred. No. 4.9e-11;

LE Novel human secreted and transmembrane protein PR09783.

PD 06-MAR.2003.

PA (GETH ) GENENTECH INC.

Query Match

RESULT 395

ID ABU82075 standard; prr.

PD 08-Mar.

PD 08-Mar.

PRO 08-Mar.

PRO 08-Mar.

PRO 08-Mar.

PRO 08-Mar.
                   Length 498;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO31278 standard; protein; 497 AA.
Human secreted/transmembrane polypeptide PRO 9783
US2003044934-A1.
                                                                                                                                                                                                                                                       31-JAN-2002.
(GETH ) GENENTECH INC.
iry Match 10.3%; Score 260.5; DB 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                10.3%; Score 260.5; DB 5 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.3%; Score 260.5; DB 6 26.1%; Pred. No. 4.9e-11;
                 10.5%; Score 265; DB 8; 26.1%; Pred. No. 2.3e-11;
                                                                                                                                                                                                                                                                                                                                          AAO21721 standard; protein; 497 AA.
Human secreted protein SEQ ID No 63.
WO200238602-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABJ72255 standard; protein; 497 AA.
Human PRO9783 protein.
US2003050448-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABJ72383 standard; protein; 497 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ...dard; protein;
...u03036635-A1.
20-FEB-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 26.1%; Pre-
RESULT 394
ID AB033732 standard; prot-
DE Novel human secre
PN US2003045687
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                              16-MAY-2002.
(INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26.1%;
                                                                                                                                                                                                                                                                                                                                                       ced L
dec2-A2.
AY-2002.
(INCY-) INCYTE GENON
Query Match
Best Local Similarity 2.
RESULT 393
ID ABUR0766 standa~
DE Human PRO r~
PN US_20030~
PD 20-~
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO9783 protein.
US2003027988-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
 (CURA-) CURAGEN CORP
                Query Match
Best Local Similarity
RESULT 390
                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
```

28888

```
Query Match
Best Local Similarity
RESULT 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 423
                                                                                                                        Best Local Similarity
RESULT 418
                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Loca
RESULT 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 260.5; DB 7; Length 497;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 260.5; DB 7; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 497;
                                                                                                                                                                                                                                            Query Match 10.3%; Score 260.5; DB 7; Length 497; Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 410
                                                                                                                                                                                                                                                                                                                                                                                   Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 497;
                                                                                                                                  Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADU4/383 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2000988072-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC4/128 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003105288-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC49522 standard; protein; 497 AA.
Novel human secreted and transmembrane protein FRO9783.
US2003088071-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DCG9806 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003088064-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO9783.
US2003088070-A1.
                                                      ADB83792 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003069397-A1.
                                                                                                                                                                             ADB72947 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003092887-A1.
                                                                                                                                                                                                                                                                                                                                                                                     Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 7;
                                                                                                                                    10.3%; Score 260.5; DB 7; 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-MAY-2003.

08-MAY-2003.

(GETH) GENENTECH INC.

10.3%; Score 260.5; DB 7;

ery Match 10.4:9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 260.5; DB 7
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 260.5; DB 7
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 260.5; DB 7 Pred. No. 4.9e-11;
                            26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC21775 standard; protein; 497 AA. Human PRO polypeptide #28. US2003096969-A1.
                                                                                                                                                                                                                                                                                                         ADC36785 standard; protein; 497 AA. Human PRO polypeptide #28. US2003088065-Al. 08-MAX-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003102.
05-UN-2003.
(GETH ) GENENTECH INC.
10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-MAY-2003.
(GETH) GENENTECH INC.
Query Match
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                          10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 10.3%;
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                     15-MAY-2003.
(GETH ) GENENTECH INC.
Best Local Similarity RESULT 408
                                                                                                            10-APR-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best_Local Similarity
RESULT 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                    Best Local Similarity RESULT 409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 416
ID ADC4711
DE Novel 1
PN US2003
PD 05-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loca
RESULT 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 414
```

```
Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 260.5; DB 7; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 497;
                                                                                                                                                                                                                                                                                  Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 497;
                                                                                                                Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC4E759 Standard, protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US203392888-Ai.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD51212 standard; protein; 497 AA.
ADD51212 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003105289-A1.
05-JUN-2003.
                                                                                                                                                                          DE Novel human secreted and transmembrane protein PR09783.
PN US200307816-A1.
PD 17-APR-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 26.1%; Pred. No. 4.9e-11;
RESULT 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD50966 standard; protein; 497 AA.

Novel human secreted and transmembrane protein PRO9783.
US2003105290-A1.
(G5-UIN-2003.
(GETH ) GENENTECH INC.
RESULT 417

ID ADC78003 standard; protein; 497 AA.

DE Novel human secreted and transmembrane protein PRO9783.

PN USC03095972-A1.

PD 22-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match

Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD50720 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003105291-A1.
                                                                                                                                                                                                                                                                                                                                            ADC7757 standard; protein; 497 AA.
ADC7057 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003088066-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 260.5; DB 7;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 260.5; DB 7
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 260.5; DB 7
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD50447 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003096971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD50201 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003096970-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USZUCZ-WAY-2003.
22-MAY-2003.
(GETH ) GENENTECH INC.
10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
10.3%;
t Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 26.1%;
RESULT 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 26.1%;
RESULT 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
```

```
Human PRO polypeptide #28.
US2003100711-A1.
29-MAY-2003.
                                                              (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 10.3%; Score 260.5; DB 8; Length 497; Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 431
                                                                                      DB 8; Length 497;
                                                                                                                                                                                                                                                                                                            DB 8; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                 Score 260.5; DB 8; Length 497;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 260.5; DB 8; Length 497;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8; Length 497;
                   ADE20930 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100735-A1.
                                                                                                                                                                                                                                                                                                                                                   ADD75749 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE20684 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD84981 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003100722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD86807 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003100738-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO9783 US2003096362-A1.
                                                                                    Score 260.5; DB 8
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                           10.3%; Score 260.5; DB 8 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.3%; Score 260.5; DB 8 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #28. 195-041.
                                                                                                                          ADE05774 standard; protein; 497 AA. Human PRO polypeptide #28. US2003100728-A1. 29-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                        ADD75003 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003100712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD73513 standard; protein; 497 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE38981 standard; protein; 497 AA
10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.3%;
26.1%;
                                                                                                                                                                                                 10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 26.1%;
RESULT 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                          29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                             29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                         GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                          Best Local Similarity RESULT 428
                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-200
                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 433
1D ADE389
DE NOVE1
PN US2003
PD 22-MAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A D M E D
                                                                                                                                                                                                                                         A B B B B
```

```
(GETH ) GENENTECH INC.
ry Match 10.3%; Score 260.5; DB 8; Length 497;
t Local Similarity 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                 Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                    Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 497;
                                                                                                                                                                                                                                                                                                                    Length 497;
                                                                     ADD78353 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100737-A1.
                                                                                                                                                                                                             ADE21176 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100736-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE20438 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100733-A1.
                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane protein PRO9783 US2003100732-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD7599S standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003100718-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD85487 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
                                                                                                                                                                  Score 260.5; DB 8;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                  Score 260.5; DB 8;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 260.5; DB 8;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                  BEST LOCAL Similarity 26.1%; Score 2
BEST LOCAL Similarity 26.1%; Pred. N.
RESULT 438
ID ADD77291 standard; protein; 497 AA.
DB Novel human secreted and transmember 10.29-MAY-2003.
PD 29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD75503 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003100064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #28.
US2003100709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD74019 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003100708-A1.
                 10.3%;
26.1%;
                                                                                                                PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /S2003100
29-MXY-2003.
(GETH ) GENENTECH INC.
10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
ry Match 10.3%;
t Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 10.3%;
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2003.
(GETH ) GENENTECH INC.
GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2003.
(GETH ) GENENTECH INC.
                   Query Match
Best Local Similarity
RESULT 436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loc
RESULT 441
```

```
Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 497;
                                                                                                                                                                                                                                                                                                       Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                             Query Match 10.3%; Score 260.5; DB 8; Length 497; Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 445
                                                                                                                                                                      Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD85241 standard, protein, 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 451

ID AD077783 standard; protein; 497 AA.

DE Novel human secreted and transmembrane protein PRO9783.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     мый/ви29 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100731-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD77537 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100729-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD86561 standard; protein; 497 AA.

Novel human secreted and transmembrane protein PRO9783.
US2003100719-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                         ADD76793 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783 US2003100715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                          DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.3%; Score 260.5; DB 8 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.3%; Score 260.5; DB 8 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                          Score 260.5; DB 8 
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD73773 standard; protein; 497 AA. Human PRO polypeptide #28. US2003100710-A1.
                                                                                                                                                                                                                          ADD75249 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003100714-A1.
                                                                                        ADE05036 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003100726-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 10.3%;
Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 10.3%;
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                           10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.3%;
                                                                                                                                                                                                                                                                 PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 26.1%;
RESULT 447
                                                                                                                                                                      Best Local Similarity 26.1%;
RESULT 446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2003.
(GETH ) GENENTECH INC.
                 29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 449
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 448
US2003100721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-MAY-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loc
RESULT 452
```

```
Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 497;
                                                                                                                                                       Score 260.5; DB 8; Length 497;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                           Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 497;
                       Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG11965 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
10S2003096633-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                          ID ADD85733 standard; protein; 497 AA.

DE Novel human secreted and transmembrane protein PRO9783.

PN USCOANY-2003.

PD 29-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 26.1%; Pred. No. 4.9e-11;

RESULT 457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG1186 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003096967-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG05569 standard, protein; 497 AA.
ADG081 human secreted and transmembrane protein PRO9783.
US2003096959-A1.
                                                                                                                                                                                                           ADD77039 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003100716-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.3%; Score 260.5; DB 8; 26.1%; Pred. No. 4.9e-11;
                   Query Match
Best Local Similarity 26.1%; Score 260.5; DB 8;
RESULT 454
ID ADD74511 standard; protein; 497 AA.

BEST UST 454
DE Human PRO polypeptide #28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ÷
                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 260.5; DB 8;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                  vuery Match 10.3%; Score 260.5; DB 8
Best Local Similarity 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #28.
10/2003100723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD74757 standard; protein; 497 AA. Human PRO polypeptide #28.
US2003100724-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 497 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 26.1%;
RESULT 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-MAY-2003.
(GETH) GENENTECH INC.
QUEYY MATCh 10.3%;
Best Local Similarity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.3%;
26.1%;
                                                                                                                                                              10.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG27123 standard; proteir
Human PRO polypeptide #28.
US2003096962-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                      29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match Best Local Similarity RESULT 460 ID BE T-0407127
                                                                                                                                  29-MAY-2003.
(GETH ) GENENTECH INC.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best_Local Similarity
RESULT 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 458
                                                                                                                                                                             Best Local Similarity RESULT 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                    Query Match
```

8; Length 497;

Length 497;

DB 4;

```
Query Match 10.2%; Score 257.5; DB 5; Length 497; Best Local Similarity 25.8%; Pred. No. 8.3e-11; RESULT 479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 259.5; DB 8; Length 497;
Pred. No. 5.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 258.5; DB 8; Length 497; Pred. No. 7e-11;
10.3%; Score 260.5; DB 8; Length 497; 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Aunitus standard; protein; 497 AA.

Human protein of the invention NOV6k SEQ ID NO:102
W0203102155-A2.
                                                                                                                                                                                                                       AABI0616 standard, protein, 497 AA.
Human novel trypsin inhibitor-like protein, NOV-4b
WO200162928-A2.
                                                                                                                                                                                                                                                                                                                                                                                 ADH71196 standard; protein; 497 AA.

Human protein of the invention NOV6f SEQ ID NO:92.

Human protein of the invention NOV6f SEQ ID NO:92.

11-DBC-2003.

(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 257.5; DB 4;
Pred. No. 7.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 257.5; DB 5;
Pred. No. 8.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABUS3236 standard; protein; 450 AA.
Human testes-derived protein from DKFzphtes3_4b4
WO200112659-A2.
                                                                                                                                                                                                                                                                                                              Query Match 10.3%; Score 259.5; DB 4. Best Local Similarity 26.1%; Pred. No. 5.9e-11; RESULT 474
                                                                                                                                                                Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 259; DB 4,
Pred. No. 3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADES9057 standard; protein; 497 AA.
Human Protein NP_113664, SEQ ID NO 4948.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB02211 standard; protein; 258 AA.
Human full-length 36P1G3/SGP28 protein.
WO200131343-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human sbg1002620Tla protein; 497 AA.
Human sbg1002620Tla protein #2.
W0200222802-A1.
21-MAR-2002.
(SMIK ) SMITHKLINB BEBCHAM CORP.
(SMIK ) SMITHKLINB BEBCHAM PLC.
(GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-FEB-2001.
(GEHU-) GERMAN HUMAN GENOME PROJECT
ery Match
10.2%; Score:
                                            Human PRO polypeptide #28.
04-Mas A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE23977 standard; protein; 497 AA.
Human LP095 secreted protein.
WO200226801-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.3%;
                                                                                                                                                          10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 03-MAY-2001.
PA (UROG-) UROGENESYS INC.
Query Match
Best Local Similarity 27.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ELIL) LILLY & CO ELI.
ry Match 10.2%;
t Local Similarity 25.8%;
                                                                                                                    04-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                Best Local Similarity
RESULT 472
                                                                                                                                                                             Best Local Similarity
RESULT 473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-APR-2003
                                                                                                                                                                                                                                                                                         30-AUG-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                              Query Match
    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10.3%; Score 260.5; DB 8; Length 497; 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                 Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.3%; Score 260.5; DB 8; Length 497; 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                  Score 260.5; DB 8; Length 497; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 8; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 8; Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI29777 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2003096961-A1.
22-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG34052 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2004006206-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADM27174 standard, protein, 497 AA.
Novel human secreted and transmembrane protein PRO9783.
US2004044179-A1.
                                                                       ADF94522 standard; protein; 497 AA.
Novel human secreted and transmembrane protein PRO9783
US2003096964-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane protein PRO9783 US2003096965-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                 Leane protein P.

Local Similarity 26.1%; Score 260.5; DB 8; 1

RESULT 466

DB Human protein of the invention

PD Human protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH71204 standard; protein; 497 AA.
Human protein of the invention NOV6j SEQ ID NO:100.
WO2003102155-A2.
                                                                                                                                                                               Query Match 10.3%; Score 260.5; DB 8; Best Local Similarity 26.1%; Pred. No. 4.9e-11; RESULT 464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 260.5; DB 8;
Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH69616 standard; protein; 497 AA.

Human PRO polypeptide #28.
105204019183-A1.
29-JAN-2004.
(GETH) GENENTECH INC.
10.3%; Score 260.5; DB 8.

EL Local Similarity 26.1%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 260.5; DB 8 Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AD133522 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003096960-AA.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                          ADG06618 standard; protein; 497 AA.
Human PRO polypeptide #28.
US2003096966-A1.
                                                                                                                                                                                                                                                                                                                                                                                                           protein; 497 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ...dard; protein,
...dan secreted and tr.
...04006206-A1.

08-JAN-2004.

PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 26.1%; Pre
RESULT 468
ID AD133522 standard; prot
DE Human PRO polypert
PN US2003096967
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10.3%;
26.1%;
                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 26.1%;
RESULT 465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                       22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   204.
23-31.
2004.
2004.
21 Match
Best Local Similarity RESULT 470
ID ADI29777 stander
DB Novel humar
PN US20030r
PD 22-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
  (GETH ) GENENTECH INC
                                                                                                                                             22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 471
ID ADM27174 standard; pr
DE Novel human secreted
PN US2004044179-A1.
PD 04 PMR-2004.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                     Query Match
Best Local Similarity
RESULT 463
                                                                                                                                                                                                                                                                                                                                                                                                           ADH38962 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
```

A B B B B

DB 4; Length 258;

Length 497;

Length 450;

```
PD 24-JAN-2002.

PA (BAYU) BAYLOR COLLEGE MEDICINE.
Query Match
Best Local Similarity 31.0%; Prec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEKUDA R.
TCHERNEV V T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SHENOY S G.
PADIGARU M.
TAUPIER R J.
MILLER C E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 495
                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAR-2003.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (TAUP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (/LXdS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PATT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BURG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rinx/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GORM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          duox/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SHEN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE08679 standard; protein; 781 AA.
Novel protein (useful for identifying genetic disorders) #834
WO2003054152-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 198;
                                                                                                                                                                                                                                                                                                          10.2%; Score 257.5; DB 8; Length 497; 25.8%; Pred. No. 8.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 475;
                                                   Score 257.5; DB 7; Length 497; Pred. No. 8.3e-11;
                                                                                                                                                                                       10.2%; Score 257.5; DB 7; Length 497; 25.8%; Pred. No. 8.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE18962 standard; protein; 255 AA.
Mouse testes-specific, vespid and pathogenic protein (RTVP).
WO200206344-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AR79914 standard; protein; 198 AA.
Trypsin inhibitory protein, isolated from human T98G cells.
JP07242700-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 781;
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 371;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAEI0617 standard; protein; 477 AA.
Human novel trypsin inhibitor-like protein, NOV-4c.
WO200162928-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH71194 standard; protein; 477 AA.
Human protein of the invention NOV6e SEQ ID NO:90.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH71202 standard; protein; 475 AA.

Human protein of the invention NOV6i SEQ ID NO:98.

MO2003102155-A2.

(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 10.1%; Score 256.5; DB 4;
Best Local Similarity 25.8%; Pred. No. 9.4e-11;
RESULT 486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 256.5; DB 8;
Pred. No. 9.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.1%; Score 256.5; DB 8; 25.8%; Pred. No. 9.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               / Match 10.1%; Score 254.5; DB 2; Local Similarity 29.2%; Pred. No. 4.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 256; DB 7;
Pred. No. 1.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 10.2%; Score 257; DB 4; Best Local Similarity 28.8%; Pred. No. 6.5e-11; RESULT 484
                                                                                                 ADESGO61 standard; protein; 497 AA.

Human Protein NP_113664, SEQ ID NO 4952.

WO2003016475-A2.

GEHO ) GEN HOSPITAL CORP.

(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                      AAB93979 standard; protein; 371 AA.
Human protein sequence SEQ ID NO:14059.
EP1074617-A2.
                                                                                                                                                                                                                                   ADP25254 standard; protein; 497 AA.
PRO polypeptide SEQ ID NO:2432.
WO2004041170-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-SEP-1995.
(MOCH ) MOCHIDA PHARM CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10.1%;
32.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 25.8%;
RESULT 485
                                                        10.2%;
25.8%;
                          (GEHO ) GEN HOSPITAL CORP. (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                       07-FEB-2001.
(HELI-) HELIX RES INST.
) GEN HOSPI.

ARB ) BAYER AG.

Best Local Similarity 2.

RESULT 481

ID ADES9061 standar

DE Human Proteir

PN WO2003016'

PD 27-FEP

PA (GT
                                                                                                                                                                                                                                                                                    21-MAY-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-AUG-2001.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 482
                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
RESULT 487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
RESULT 488
                                                                                                                                                                                                                                                                                                                                                            PNED
```

```
Length 258;
                                                                                                                   Length 258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 258;
Length 255;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10.0%; Score 253; DB 6; Length 253; 34.7%; Pred. No. 8.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 253; DB 6; Length 253;
Pred. No. 8.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADRIA401 standard; protein; 258 AA.

Human NF-kappaB pathway-associated protein SeqID402.
WO2004065577-A2.
05-AUG-2004.
EMIM ) BRISTOL-WYERS SQUIBB CO.
10.1%; Score 254.5; DB 8; Le
st Local Similarity 29.2%; Pred. No. 6.6e-11;
                                                                                                                                                                                            ID ABG61802 standard; protein; 258 AA.

DE Prostate cancer-associated protein #3.

PN WO20020268-A2.

PA (EGSB-) EOS BIOTECHNOLOGY INC.

PA (EGSB-) EOS BIOTECHNOLOGY INC.

Query Match

10.1%; Score 254.5; DB 5;

Best Local Similarity 29.2%; Pred. No. 6.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 5;
  10.1%; Score 254.5; DB 5; 31.0%; Pred. No. 6.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 01-AUG-2002.

PA (EOSB-) EOS BIOTECHNOLOGY INC.

Query Match

Best Local Similarity 29.2%; Pred. No. 6.6e-11;

RESULT 493
                                                              ABG61801 standard; protein; 258 AA.
Prostate cancer-associated protein #2.
WO200230268-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU52370 standard; protein; 253 AA.
Human GPCR related protein NOV24a.
W0200079398-A2.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                        Pagiossy standard; protein; 258 AA. Breast cancer-associated protein 62. WO200259377-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO00573 standard; protein; 253 AA.
Novel human polypeptide #160.
WO2003023013-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL24075 standard; protein; 253 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human NOVX polypeptide #60.
US2004002120-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GORMAN L.
MALYANKAR U M.
BOLDOG F L.
GUO X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SPYTEK K A.
PATTURAJAN M.
BURGESS C E.
VERNET C A M.
```

```
12-0CT-2000.
(GEMY) GENETICS INST INC.
(CEMY) GENETICS INST INC.
ery Match
ery Match
10.0%; Score 252.5; DB 3; Length 258;
ery Match
28.8%; Pred. No. 9.3e-11;
                                                                                                                                                                                                                                                                                      Ouery Match 10.0%; Score 253; DB 8; Length 253; Best Local Similarity 34.7%; Pred. No. 8.4e-11; RESULT 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 10.0%; Score 252; DB 7; Length 245; Best Local Similarity 27.1%; Pred. No. 9.6e-11; RESULT 501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10.0%; Score 252; DB 8; Length 250;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 245;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.0%; Score 252; DB 4; Length 245; 27.1%; Pred. No. 9.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 245;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADR66069 standard; protein; 250 AA.

Human prostatic carcinoma derived protein SEQ ID 265 #1.

#020046614-A2.

10-SEP-2004.

(HINZ/) HINZMANN B.

(ROSH/) ROSENTHAL A.

(HEMH) HENAMANN K.

(HEMH) HINZMANN K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE94309 standard; protein; 245 AA.
Human cysteine-rich secretory protein 3 SEQ ID NO:6.
WO2003100025-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.0%; Score 252; DB 4; 27.1%; Pred. No. 9.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.0%; Score 252; DB 8; 27.1%; Pred. No. 9.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAM23992 standard; protein; 245 AA.
Human EST encoded protein SEQ ID NO: 1517.
WO200154477-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAM24000 standard; protein; 245 AA.
Human EST encoded protein SEQ ID NO: 1525.
WO200154477-A2.
                                                                                                                                                                                                                                                                                                                                     AAG79301 standard; protein; 258 AA.
Protein encoded by chicken GW159 cDNA.
WO200059938-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB75539 standard; protein; 245 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prostate cancer marker protein. W02003009814-A2. (M-EB-2003. (MILL-) MILLENNIUM PHARM INC.
                                                                                                               POCHART P F.
FERNANDES E R.
SHIMKETS R A.
RASTELLI L.
SPADERNA S K.
LAROCHELLE W J.
                                                                                                                                                                                                                (ZHON) ZHONG M.
(KGRA) KHRAMTSOV N V.
(VOSS) VOSS E Z.
(HERR) HERRMANN J L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MINU) UNIV MINNESOTA.
(HAMI/) HAMILTON D W.
(ROBE/) ROBERTS K P.
(ENSR/) ENSRUD K M.
CASMAN S J.
PENA C B A.
GANGOLLI E A.
                                                                  SMITHSON G.
ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 502
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                    GERLACH V.
                                                    GUSEV V Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-AUG-2001.
(HYSE-) HYSEO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                   (RAST/)
(SPAD/)
(LARO/)
                                                                                                                 (POCH/)
                                                                  (SMIT/)
(ZERH/)
                                                                                                                                                   SHIM/)
```

```
Length 241;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 9.8%; Score 249; DB 4; Length 242; Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                                                                                                                                           Length 250;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.8%; Score 249; DB 6; Length 242;
34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 497
                                                 ADR66411 standard; protein; 250 AA.
Human prostatic carcinoma derived protein SEQ ID 265 #2.
WO20040766114-A2.
10-SEP-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO17746 standard; protein; 242 AA.

Novel human secreted and transmembrane protein PRO7434.
US2003032156-A1.
13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                         Score 252; DB 8;
Pred. No. 9.8e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 9.9%; Score 251; DB 6; Best Local Similarity 28.2%; Pred. No. 2.5e-10; RESULT 505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.9%; Score 251; DB 6; 28.2%; Pred. No. 2.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 9.8%; Score 249; DB 4; Local Similarity 34.0%; Pred. No. 1.6e-10;
          27.1%; Pred. No. 9.8e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                   ABR39981 standard; protein; 497 AA.
Human late gestation lung 1 (LGL1) polypeptide.
WO2003020766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR39980 standard; protein; 497 AA.
Rat late gestation lung 1 (LGL1) polypeptide.
WO2003020766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAM24028 standard; protein; 241 AA.
Rat EST encoded protein SEQ ID NO: 1553.
WQ200154477-A2.
                                                                                                                                                                                                                                                                                                                                                                13-MAR-2003.
(UYMC-) UNIV MCGILL.
(HOSP-) HOSPITAL FOR SICK CHILDREN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAU12302 standard; protein; 242 AA.
Human PRO7434 polypeptide sequence.
WO200140466-A2.
(GTJM-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU81000 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003004311-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU66700 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003036180-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYMC-) UNIV MCGILL.
(HOSP-) HOSPITAL FOR SICK CHILDREN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU59781 standard; protein; 242 AA
                                                                                                                                                                                                                                         10.0%;
27.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%;
RESULT 509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                 (HINZ/) HINZMANN B.
(DAHL/) DAHL B.
(ROSEN) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
Best Local Similarity RESULT 503
                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
```

```
US2003082711-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Lock
RESULT 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 6; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 6; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 242;
                                                                        Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA86290 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB19270 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003068796-A1.
                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO7434 US20030222308-A1.
(GETH) GENENTECH INC.
                                                                                                                                                                                                                                                  _____ABUG6976 standard; protein; 242 AA.
ABUG6976 standard; protein SEQ ID 262.
US2003032155-A1.
        Novel secreted and transmembrane protein PRO7434.
US2003017563-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                        Applied to the standard; protein; 242 AA. Human secreted/transmembrane protein (PRO) #131. US2003036179-A1.
                                                                                                                                                                                                                                                                                                                                 Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 514
                                                                        Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                           Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB27811 standard; protein; 242 AA. Human PRO polypeptide #131. US2003082704-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA61485 standard; protein; 242 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA76212 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003073212-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 34.1%;
RESULT 520
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eest Local Similarity 34.1%;
RESULT 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 34.1%;
RESULT 516
                                                                          9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                             20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                           13-FBB-2003. (GETH ) GENENTECH INC.
                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                               Query Match
Best Local Similarity
RESULT 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
US2003049816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003
                                                 23-JAN-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loc
RESULT 518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loc
RESULT 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P P
```

```
Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 6; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242;
                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
Length 242;
                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADAB7393 standard; protein; 242 AA.
ADAB7393 standard; protein; 242 AA.
NOVel human secreted and transmembrane protein PRO7434
US2003087345-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA85738 standard, protein; 242 AA.
ADA85738 standard, protein; 242 AA.
US2003082693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULF 522
                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 6;
pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.8%; Score 249; DB 6; 34.1%; Pred. No. 1.6e-10
                                                                                                                                                                                                                                                                       Score 249; DB 6;
Pred. No. 1.6e-10;
 9.8%; Score 249; DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB16595 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA79254 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADA366950 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082705-A1.
                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #131.
US2003068795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB30442 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003068794-A1.
                                          Human PRO polypeptide #131.
(08-003087350-A1.
                                                                                                                                                                                       242 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 34.1%;
RESULT 527
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 34.1%;
RESULT 524
ID ADB30442 standard; protein;
DE Human PRO polypentide #121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                     ADA47640 standard; protein;
Human PRO polypeptide #131.
US2003073215.Al.
17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                          Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 34.1%;
RESULT 525
                       34.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                            08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                   Best Local Similarity RESULT 521
```

RESULT 531

```
Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 34.1%;
RESULT 545
                                                                                                                                                                                                                                                                                                    Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 34.1%;
RESULT 542
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 34.1%;
RESULT 539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #131.
US2003073210-A1.
                                                                                                                                                                                                                                                                    17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2003
                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Mat
Best Loca
RESULT 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 546
                                                                                                                                                                                                                                                                                                                                        RESULT 541
                                   Length 242;
                                                                                                                                                                               Length 242;
                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.8%; Score 249; DB 6; Length 242; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                                                                                                                                                                                                                                                                                                         ADBI8711 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003073211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB19822 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082691-A1.
                                                                                ADA91687 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003082694-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO43279 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003044945-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lery Match
Best Local Similarity 34.1%; Score 249; DB 6; Ler.
RESULT 534
ID ADB1822 standard; protein; 242 AA.
DB Novel human secreted and trace pp US2003082691-A1.
PA US2003082691-A1.
                      cuery Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 537
                                                                                                                                                                           9.8%; Score 249; DB 6; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            y Match 9.8%; Score 249; DB 6;
Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                       Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB24621 standard; protein; 242 AA.
Human PRO polypeptide SEQ ID NO 262.
US20030777713-A1.
24-APR-2003.
                                                                                                                                                                                                                           ADB14750 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003087351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA33926 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003077722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB13134 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082710-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AbA74388 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.8%;
                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 34.1%;
RESULT 532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-APR-2003.
(GBTH ) GENENTECH INC.
                GENENTECH INC.
                                                                                                                                                                                                                                                                                   08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                               17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 536
08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

RESULT

```
Match 9.8%; Score 249; DB 6; Length 242; Logal Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                               Query Match 9.8%; Score 249; DB 6; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 6; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242
                                                                                                                                                                                                                                                                                                                                                                           ADAB5186 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082695-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA84634 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 249; DB 6;
Pred, No. 1.6e-10;
                                                                                                                                                                                                                                                                                                           Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 9.8%; Score 249; DB 6; Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB25181 standard; protein; 242 AA. Human PRO polypeptide SEQ ID NO 262 US2003077715-A1.
ADA82145 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082701-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                     ADA75108 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003073216-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB29890 standard, protein; 242 AA.
Human PRO polypeptide #131.
US2003073214-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA80418 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082761-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA75660 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA46885 standard; protein; 242 AA
```

34.1%; Pred. No. 1.6e-10;

Local Similarity

```
Score 249; DB 6; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.8%; Score 249; DB 6; Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 242;
                                                                                                                          Query Match 9.8%; Score 249; DB 6; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                                                                                                                                            Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                  Length 242;
Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vuery Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.8%; Score 249; DB 6; 34.1%; Pred. No. 1.6e-10;
   Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                Score 249; DB 6;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB24069 standard, protein; 242 AA. Human PRO polypeptide SEQ ID NO 262. US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADA95846 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082759-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA96398 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082690-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA80970 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082702-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein; 242 AA
                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #131. US2003096386-A1.
                                                    ADA93357 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003077721-A1.
                                                                                                                                                                                           ADB26707 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003092147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA60922 standard; protein; 242 AA
                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 34.1%; Pr
RESULT 550
ID ADB30994 stand---
DE Home
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%;
RESULT 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
RESULT 552
       9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB26155 standard; protein;
Human PRO polypeptide #131
US2003082760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                       22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003.
(GETH ) GENENTECH INC.
     Query Match
Best Local Similarity
RESULT 548
ID ADA93357 standard, pp
DE Human PRO polypeptide
PN US200307771-A1.
PD 24-ARR-2003.
PA (GETH ) GENENTECH IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
US2003049817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.8%; Score 249; DB 7; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                      Length 242;
                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                             ADA86842 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nume/y45 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003082700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NDD46333 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434 US2003054516-A1.
AD51640 standard; protein; 242 AA.
AD51640 buman secreted and transmembrane protein PRO7434.
US2003082765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            March
Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                    Query Match 9.8%; Score 249; DB 6; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 558
                                                                                                                                                                                                                                   9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #131.
27-Mac 27-Mac 27-Mac 27-Mac 27-Mac 27-Mac 4131.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB28915 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082706-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB28363 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082699-Al.
                                                                                                                                                                                                                                                                          Human PRO polypeptide #131.
24-app
                                                                                                                                            ADA77419 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003068797-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 34.1%;
RESULT 563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 34.1%;
RESULT 561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                       34.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAR-2003.
(GETH ) GENENTECH INC.
                                                            01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                          10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                  24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 564
```

```
US2003082766-A1.
01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMENTECH INC.

Best Local Similarity 34.1%; Score 249; DB 7; Length 242; RESULF 574

ID ADB15302 standard; protein; 242 AA.

PN US2003087352-A1.

PD 08-MAY-200-
                                                                                                                                                                                          9.8%; Score 249; DB 7; Length 242; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
              ADA88497 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003073213-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AUA92239 Standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB38554 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
                                                                                                                                                                                                                                                                                                                            ADB22192 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003087344-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 572
                                                                               Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                       9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB23517 standard; protein; 242 AA.
Human PRO polypeptide SRQ ID NO 262.
US2003077712-A1.
                                                                                                                                                                                                                                ADB27259 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003022239-A1.
                                                                                                                     ADA97502 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003082686-A1.
01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 242 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB22744 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003077711-A1.
                      and tr.

"" ) GENENTECH INC.

Best Local Similarity 34.1%; Pre-
RESULT 567

ID ADA97502 standard; prr-
DE Human PRO polyper
PN US20030826.0

PD 01-Mn*
                                                                                                                                                                                                                                                                                                                                                                                    9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 34.1%;
                                                                                                                                                                                                      34.18;
                                                                                                                                                                                                                                                                                                                                                                                                                         ADA66883 standard; protein;
Human PRO polypeptide #131.
US2003068793-A1.
                                                                                                                                                 24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                             JAYPED JAN-2029-A1.
JAN-2003.
JUST MATCH
BEST LOCAL SIMILARITY RESULT 569
ID ADB22192 stand
DE NOVEL hum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 575
ID ABB38554 standard; pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
RESULT 566
ID ADA884
DE Novel
PN US2003
PD 17-APR
PA (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AB EB E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A S S S S S
```

```
Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.8%; Score 249; DB 7; Length 242;
14.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB77222 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082696-A1.
01-MAY-2003.
(GETH) GENENTECH INC.
                                                                                                                                                                                                          ADB66474 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082689-AI.
                                              мызвоог standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US200388347-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB39387 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003082764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB47010 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003082687-A1.
Query Match
Beet Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 576
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.8%; Score 249; DB 7; 14.1%; Pred. No. 1.6e-10;
                                                                                                                                                     Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                 Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide SEQ ID NO 262.
US2003077717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB86617 standard; protein; 242 AA. Human PRO polypeptide #131. US2003082697-AI. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                    ADB89554 standard, protein, 242 AA.
Human PRO polypeptide #131.
US2003082698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 242 AA
                                                                                                                                                     9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.8%;
                                                                                                                                                                                                                                                                                                Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 578
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 34.1%;
RESULT 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB90286 standard, protein,
Human PRO polypeptide #131,
US2003082762-A1.
                                                                                                                  08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                 Query Match
Best Local Similarity
RESULT 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
```

Score 249; DB 7; Pred. No. 1.6e-10;

```
ADC57190 standard; protein; 242 AA.
Novel human secreted and transmembrane protein Seg ID262.
US2003087366-A1.
          Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Le3-A1.
L-2003.
L-2003.
L-2003.
L-2003.
L-2004. Similarity RESULT 599
ID ADC53442 stander
DE Novel humar
PN US20030"
PD 08-V
(GETH ) GENENTECH INC.
                                                                                                                   08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242;
                                      Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC52836 standard; protein; 242 AA.
Novel human secreted and transmembrane protein Seq ID262.
US2003087365-A1.
08-WAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC71850 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003092107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC59829 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003092105-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB46430 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US200308262-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADCS0303 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003092106-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                     Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                        9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide SEQ ID NO 262. US2003077718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB36035 standard; protein; 242 AA.
Human PRO polypeptide SEQ ID NO 262
US2003077720-A1.
                                                                                                                                                                                                                     ADB33827 standard; protein; 242 AA.
Human PRO polypeptide SEQ ID NO 262.
US2003077716-A1.
                                                                                       ADB35483 standard; protein; 242 AA.
Human PRO polypeptide SEQ ID NO 262
US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 34.1%;
RESULT 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 34.1%;
RESULT 590
                                           9.8%;
                                                                                                                                                                           Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC.
                                                                                                                                                                                                                                                                             24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                               24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                24-APR-2003.
(GETH ) GENENTECH INC.
                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 588
                                                       Best Local Similarity RESULT 585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003
             24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
RESULT 591
```

```
Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 242
                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242
                                                                                                                                                                Length 242;
                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC55843 standard; protein; 242 AA.
Novel human secreted and transmembrane protein Seg ID262.
US2003087360-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC58413 standard; protein; 242 AA.
Novel human secreted and transmembrane protein Seg ID262.
US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC54481 standard; protein; 242 AA.
Novel human secreted and transmembrane protein Seq 1D262.
U$2003097363-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC53442 standard, protein; 242 AA.
Novel human secreted and transmembrane protein Seq ID262.
US2003087364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUCHRES standard, protein; 242 AA.
Novel human secreted and transmembrane protein Seg ID262.
905200387359-A1.
                                                                                                                                                                                                            ADC50856 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003087361-A1.
                                                      AUC60381 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 598
Best Local Similarity 34.1%; Pred. No. 1.6e-10; DB 7; RESULT 595

ID Acc6381 standard; protein: 242 %
                                                                                                                                                                                                                                                                                                             Score 249; DB 7;
pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                   ADC65383 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003087362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 34.1%;
RESULT 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 34.1%;
RESULT 602
                                                                                                                                                            Query Match
Beet Local Similarity 34.1%;
RESULT 596
                                                                                                                                                                                                                                                                                                             Best Local Similarity 34.1%;
RESULT 597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                   08-MAY-2003.
(GETH ) GENENTECH INC.
```

```
Query Match 9.8%; Score 249; DB 7; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GETH ) GENENTECH INC.
9.8%; Score 249; DB 7; Length 242;
                                                                                                                                                                                                                                                                                    vuery Match
Beet Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vuery Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 610
       Length 242;
                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242;
                                                       ADD03087 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003092104-A1.
                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO7434 US200597348-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD04491 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003087354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC80447 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003092103-A1.
   9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.8%; Score 249; DB 7;
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vuery Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                  Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #131.
16-Orm-ove
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD10954 standard; protein; 242 AA. Human PRO polypeptide #131. US200319474-A1. 16-OCT-2003 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD09916 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194776-A1.
                                                                                                                                                                                                                                                                                                                                                      ADC69498 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194770-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC47835 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 34.1%; P;
RESULT 608
ID ADD04491 standard; protein; 24;
DE Novel human secreted and transn
PN W32003087354A1.
PD 08-MAY-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                             15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                           08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
Query Match
Best Local Similarity
RESULT 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 2 2 2 E
```

```
Query Match 9.8%; Score 249; DB 7; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 613
                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                  ADC79895 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003087358-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                    ADD41077 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003203438-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD53508 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003203437-A1.
Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 619
                                                                                                                                                                                                                                                      Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                     ADD09364 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194775-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #131.
US2003194792-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #131.
US2003203430-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD52216 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD51664 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194779-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD02463 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003203431-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 34.1%;
RESULT 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
RESULT 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%;
RESULT 618
                                                                                                                                                                                                                                                      Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                      30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                     16-0CT-2003
                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                          (GETH )
```

```
ADD91844 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.8%; Score 249; DB 7; Length 242;
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                   Length 242;
                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE32203 standard; protein; 242 AA. Novel human secreted and transmembrane protein PRO7434 US2003194765-A1.
                         ADD54079 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PR07434.
US2003203432-AI.
30-OCT-2003.
(GETH ) GENENTECH INC.
                             Luery March Senertech INC.

Suery March Best Local Similarity 34.1%; Score 249; DB 7; Len RESULT 622

ID ADD92396 standard; protein; 242 AA.

BE Human PRO polypeptide #131

PN US20031990300-A1.

PD 23-OCT-20^
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                         Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE41895 standard; protein; 242 AA. Human PRO polypeptide #131. US2003194772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE17712 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199023-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE22135 standard; protein; 242 AA. Human PRO polypeptide #131.
US2003199056-A1.
C33-OCT--2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD79359 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003203428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE03906 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199057-A1.
                                                                                                                                                                                                                                                                                                             ADD91292 standard; protein; 242 AA.
Human PRO polypeptide #131,
US2003199055-A1.
                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 34.1%; Pi
RESULT 623
ID ADD91292 standard; protein; 24;
DE Human PRO polypeptide #131.
PM US2003199055-A1.
PP 23-GCT-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 34.1%;
RESULT 629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 34.1%;
RESULT 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 34.1%;
RESULT 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Beet Local Similarity 34.1%;
RESULT 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 34.1%;
RESULT 625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-OCT-2003.
(GETH ) GENENTECH INC.
                    RESULT 621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ID
DE
PN
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bosen
```

```
Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242;
                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                              ADE33859 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003194791-A1.
                                                              Aubsjs07 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003194767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                  Score 249; DB 7;
Pred. No. 1.6e-10;
                            Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE18816 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199026-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD95801 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199059-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     T 639
ADE22687 standard; protein; 242 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADE43012 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199033-A1.
                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 34.1%; Pred. RESULT 633
ID ADD79911 standard; protein; 242 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD92248 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE19368 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 34.1%;
RESULT 636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 34.1%;
RESULT 634
                                                                                                                                                                         Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 632
                                                                                                                                                                                                                                                                                                                        9.88;
                                Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #131.
US2003207417-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                              16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                       16-OCT-2003.
(GETH ) GENENTECH INC.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                      RESULT 631
ID ADE33307 standard;
```

```
US2003207355-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.8%; Score 249; DB 7; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 647
                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.8%; Score 249; DB 7; Length 242;
14.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG21412 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
                                                                                                                                                                                                                                                       ADE32755 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003194766-A1.
                                                                                                                                                                                                                                                        Length Match

Best Local Similarity 34.1%; Score 249; DB 7; Lengest Local Similarity 34.1%; Pred. No. 1.6e-10; ID ABS447 standard; protein; 242 AA. DB Human PRO polypeptide #131 PD 23-OCT-200.
                                                                   9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y Match 9.8%; Score 249; DB 7; Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                       Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                ADD78805 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003203429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD80463 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207418-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD89491 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199028-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE40775 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199031-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE92703 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003194777-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.8%;
                                                                                                                                                                                                     Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 34.1%;
RESULT 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34.1%;
Human PRO polypeptide #131
US2003199064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                    30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-OCT-2003.
(GETH ) GENENTECH INC.
                                 23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                      Best Local Similarity
RESULT 640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 P P P P P
```

```
Score 249; DB 7; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                            Length 242;
                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADM55192 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH55744 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207379-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO7434. US2003207386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADHB1825 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207388-A1.
                                                                          Novel human secreted and transmembrane protein PRO7434 US2003207384-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADI63963 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%; Ered. No. 1.6e-10; RESULT 657
ID ADB1825 standard; protein; 242 AA.
DE Novel human secreted and transmembrane received.
                                                                                                                                                 Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 9.8%; Score 249; DB 7; Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                              Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                        Human PRO polypeptide #131.
US2003207370-A1.
                                                                                                                                                                                                                                                                                                                                              ADG80452 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207373-A1.
                                                           protein; 242 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 242 AA
Best Local Similarity 34.1%;
                                                                                                                                             Best Local Similarity 34.1%;
RESULT 650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Auery match
Best Local Similarity 34.1%;
RESULT 652
                                                                                                                                                                                                                                                         0 06-NOV-2003.

A (GETH) GENENTECH INC.

9.8%;

Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
RRSULT 655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #131
US2003207372-A1.
                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG79900 standard;
                                                           ADG23053 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003
```

```
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242
                                           Score 249; DB 7; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                        Length 242;
                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DANN6470 standard, protein; 242 AA.

E Novel human secreted and transmembrane protein PRO7434.

N US2003087385-A1.

N 08-MAY-2003.

A (GETH ) GENENTECH INC.

A (GETY MAtch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADN15289 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PR07434.
US2003087356-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADN14737 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US200308737-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AD163411 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207387-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC80999 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003092115-A1.
                                                                                                                                                                                                                                                         ADM92442 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003087355-A1.
                                                                                            ADH81273 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207377-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                     ADNISB41 standard; protein; 242 AA. Novel human secreted and transmembrane protein PRO7434 US2003087353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.8%; Score 249; DB 7; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 7;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.8%; Score 249; DB 7; Best Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                         PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 34.1%; Pred. No. 1.6e-10;

RESULT 659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD76447 standard; protein; 242 AA.
Human PRO polypeptide #131.
U92003100087-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 34.1%;
RESULT 666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best_Local Similarity 34.1%;
RESULT 665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 34.1%;
RESULT 660
                                                                     34.18;
                                                   9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                             08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003.
(GETH ) GENENTECH INC.
                                  GENENTECH INC.
                                                               Best Local Similarity RESULT 658
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-MAY-2003
              06-NOV-2003
                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 661
```

```
Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 8; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                             Length 242;
Length 242;
                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 8;
Pred. No. 1.6e-10;
Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                         Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                              Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                     9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #131.
US2003194794-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #131.
US2003199062-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #131.
US2000302110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD87259 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003203439-A1.
                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #131.
US2003092108-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE24434 standard; protein; 242 AA
                                            ADD87811 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003092113-Al.
                                                                                                                                                                                                                                                                                       ADE75663 standard; protein; 242 AA. Human PRO polypeptide #131.
US2003211571-A1.
                                                                                                                                                                   protein; 242 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%;
RESULT 672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                       Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 34.1%;
RESULT 670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 9.8%;
Best Local Similarity 34.1%;
 Query Match
Best Local Similarity 34.1%;
RESULT 667
                                                                                                                              Best Local Similarity 34.1%;
RESULT 668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #131.
US2003092111-A1.
15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                   Human PRO polypeptide #131.
US2003203440-A1.
30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                        13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                               15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                      ADD86215 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-OCT-2003
                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 673
```

```
Best Local Similarity 34.1%; Score 249; DB 8; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 679
ID ADE95145 standard; protein; 242 AA.
DE Human PRO polypeptide #131.
PN US2003199052-A1.
PD 23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 34.1%; Pred. No. 1.6e-10;

RESULT 63

ID ADE90452 standard; protein; 242 AA.

PN UN2203199063-A1.

PD ADE9053-A1.

PN US200199063-A1.

PD ADE9053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        vuery Match 9.8%; Score 249; DB 8; Length 242; Beet Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADES1599 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003199058-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
9.8%; Score 249; DB 8; Length 242;
9.8%; Score 249; DB 8; Length 242; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                          Score 249; DB 8; Length 242; Pred. No. 1.6e-10;
                                                                                                                               Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 242;
                                                                                                                          Query Match 9.8%; Score 249; DB 8; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.8%; Score 249; DB 8; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #131.
US2003199029-Al.
                                             ADE88573 standard, protein, 242 AA.
Human PRO polypeptide #131.
US2003199054-A1.
                                                                                                                                                                 ADE94593 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003199027-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE93255 standard, protein, 242 AA. Human PRO polypeptide #131. US2003199060-A1. 23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 34.1%; Pr
RESULT 678
ID ADS1004 standard; protein; 242
ID ADS1004 standard; protein; 242
PN WG2003199061-A1.
PD 23-CCT-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 23-OCT-2003.
PA (GETH) GENENTECH INC.
Query Match 9.8%;
Best Local Similarity 34.1%;
RESULT 682
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 34.1%;
RESULT 681
                                                                                            23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                             23-OCT-2003.
(GETH ) GENENTECH INC.
             Best Local Similarity RESULT 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
   Query Match
                                                                                                                                                                              2222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A B E E E
                                                PREED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A B & B B B
```

```
Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 9.8%; Score 249; DB 8; Length 242; Best Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                            Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                                                                                                                  ADG21964 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207360-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO7434.
Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 685
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                            Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #131.
US2003207359-A1.
                                        ADG02178 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207352-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                              ADG20034 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207376-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF97940 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207422-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG03342 standard, protein, 242 AA.
Human PRO polypeptide #131.
US2003207351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DAPF99063 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF98511 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003208055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
RESULT 688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 34.1%;
RESULT 690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUery Match

Best Local Similarity 34.1%;

RESULT 691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.84;
                                                                                                                                                                                                                                                                          Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                               Best Local Similarity RESULT 686
                                                                                                                                                                                                                                        06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-200
                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
```

```
Score 249; DB 8; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                           Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                            Length 242;
                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANGLIGOS Standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207389-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               ADG08268 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                              Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG03894 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207423-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #131.
US2003219885-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF96836 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207371-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG06621 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207374-A1.
                                                                                                                                                                                                                                                                               ADG13211 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207357-A1.
        ADG05107 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207375-A1.
                                                                                                                                             ADG19374 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207425-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 34.1%;
RESULT 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 34.1%;
RESULT 698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 34.1%;
RESULT 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                               Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 34.1%;
RESULT 699
                                                                                            9.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.88;
                                                                                                   Query Match
Best Local Similarity 34.1%;
RESULT 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                  06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                        Best Local Similarity RESULT 696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                    06-NOV-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 697
RESULT 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best L
RESULT 7
```

```
Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 242;
                                                                                                                                                                                                                                  Length 242;
                                                                                                                                                                                                                                                                                                                                                                               Length 242;
                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG57347 standard, protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG56795 standard; protein; 242 AA. Novel human secreted and transmembrane protein PRO7434 US2003207364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG61907 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207428-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG60803 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207390-A1.
                                                                                                                                                                                                                                                                                       ADG07644 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207356-A1.
                                                                                                                           אטייי (192 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US20002207350-A1.
ADG24795 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207427-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG55139 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                 9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                         Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                    Score 249; DB 8;
pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG82108 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG55691 standard; protein; 242 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             y Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 34.1%;
RESULT 709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                  Best Local Similarity 34.1%;
                                                                                         Query Match
Best Local Similarity 34.1%;
RESULT 704
                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 34.1%;
RESULT 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best_Local Similarity
RESULT 707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
```

Length 242;

Length 242;

Length 242;

Length 242

Length 242;

Length 242

Length 242;

Length 242;

us-09-943-664-50.rag.spdi

```
ADH12509 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207378-A1.
                                                                                             ADG54035 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207416-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                        ADG56243 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADGG1355 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG54587 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG59627 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207369-A1.
    PA (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;

RESULT 722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
Query Match 9,8%; Score 249; DB 8;
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 727
                                                                                                                                                                                                      Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                 Human PRO polypeptide #131.
1052003194793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI81051 standard; protein; 242 AA. Human PRO polypeptide #131. US2003207361-A1. 06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH28442 standard; protein; 242 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003uzzzz
30-JAN-2003.
(GETH ) GENENTECH INC.
9.8%; SC
                                                                                                                                                                                               Best Local Similarity 34.1%;
RESULT 723
                                                                                                                                                                                                                                                                                                                                                              9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 9.8%;

Best Local Similarity 34.1%;

RESULT 725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 34.1%;
RESULT 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 9.8%;
Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #131
US2003022331-A1.
                                                                                                                                                                                                                                                                                                                        16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                 Length 242;
                                                                                                                                                                                                                                           Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 242;
                                                                                                                                     ADGS8451 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207368-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG57899 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207363-A1.
Novel human secreted and transmembrane protein PRO7434. US2003207365-A1.
                                                                                                                                                                                                                                                                                                 ADG70817 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207420-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG52307 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207414-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG71369 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207421-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH11885 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG53483 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434
US2003207415-A1.
                                                                                                                                                                                                                               Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 714
DE NOVEL human secreted and transmembrane protein FP NGV0-2007420-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 9.8%; Score 249; DB 8;
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 721
                                                                         Query Match
9.8%; Score 249; DB 8;
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 713
                                                                                                                                                                                                                                                                                                                                                                                                      Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 9.8%; Score 249; DB 8; Best Local Similarity 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG81556 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003207805-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH30518 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2003077723-AI.
                                                                                                                                                                                                                                                                                                                                                                                                    9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                 LANGE OF THE CONTROL OF T
                                     06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 720
```

```
Score 249; DB 8; Length 242; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 8; Length 242;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                         Length 242;
                                                                                                                                                                                                                                                                                                      Length 242;
         Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ63473 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
1052040403164-AA.
26-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADIJE192 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207349-A1.
                                                                                                                                                                                                                                                                                                                                                            ADG09142 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2004009547-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADI4597 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207383-A1.
                                                                                                                                                                                             AULISZ65 standard, protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207382-AI.
                                                          ADG09794 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2004009548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.8%; Score 249; DB 8; Best Local Similarity 34.1%; Pred. No. 1.6e-10; RESULT 734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 736
           9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                       Query Match
Best Local Similarity 34.1%; Pred. No. 1.6e-10;
RESULT 732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                          Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #131.
US2004048333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ77368 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2004038336-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Abj65490 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2004038335-A1.
                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%; Pr
RESULT 733
ID ADG0142 standard; protein; 242
DE Novel human secreted and transme
PN US2004009547-A1.
PD 15-JAN-2004.
PA (GETH) GENEWADOM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 34.1%;
RESULT 738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 9.8%; Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 34.1%;
RESULT 737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-FEB-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                             15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC
                       Best Local Similarity RESULT 731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                     Query Match
```

```
y Match
Local Similarity 25.8%; Pred. No. 4.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-SEP-1995.

1 (WOCHIDA PHARM CO LTD.

Query Match 9.8%; Score 248.5; DB 2; Length 188;

Query Match 30.3%; Pred. No. 1.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 252;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 242;
                                                                                                                                                                                                                                                                                                     Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 242;
                                                                                                                                                    Length 242;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADI96246 standard; protein; 242 AA.
Novel human secreted and transmembrane protein PRO7434.
US2003207354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL35345 standard; protein; 495 AA.
Murine secreted extracellular matrix 33145 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lucry Match 9.8%; Score 249; DB 5; L Best Local Similarity 34.0%; Pred. No. 1.7e-10; RESUT 745

ID AAR79915 standard; protein; 188 AA.

DE Human trypsin inhibitory protein, residues 11-198.

PN JP07242700-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 248; DB 3;
Pred. No. 1.9e-10;
                                                                                                                                                    Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 249; DB 8;
Pred. No. 1.6e-10;
Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                       9.8%; Score 249; DB 8; 34.1%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 249; DB 8;
Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABB80593 standard; protein; 438 AA. Human sbg1002620T1b protein. WO200222802-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB60591 standard; protein; 252 AA.
Human sbg1002620TIa protein #1.
WO200222802-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein; 242 AA
                                                                                                                                                                                                              ADM28212 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                              AD195694 standard; protein; 242 AA. Human PRO polypeptide #131. US2003077659-A1.
                                                         ADM42350 standard; protein; 242 AA.
Human PRO polypeptide #131.
US2004058424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-MAR-2002.
(SMIK ) SMITHKLINE BEECHAM CORP.
(SMIK ) SMITHKLINE BEECHAM PLC.
(GHAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-MAR-2002.
(SMIK) SMITHKLINE BEECHAM CORP.
(SMIK) SMITHKLINE BEECHAM PLC.
(SMIK) SMITHKLINE BEECHAM PLC.
(CLAX) GLAXO GROUP LTD.
9.8%; SCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 34.1%;
RESULT 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beet Local Similarity 34.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.8%;
Best Local Similarity 34.1%;
                                                                                                                                                  Query Match
Beet Local Similarity 34.1%;
RESULT 741
       9.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GEMY ) GENETICS INST INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                      25-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                         22-APR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Apple crisp protein.
WO200059938-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB47998 standard;
                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 742
           Query Match
Best Local Similarity
RESULT 740
                                                                                                                                                                                                                                                                                                                                                                                                                          24-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 748
```

```
RESULT 757
                                                                                              Length 495;
                                                                                                                                                                                                    TY-DEC-2002.
(HUMA-) HUMAN GENOME SCI INC.
(HUMA-) HUMAN GENOME SCI INC.
9.7%; Score 245; DB 6; Length 233;
ery Match
9.7%; Pred. No. 3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.5%; Score 240; DB 7; Length 188; 34.0%; Pred. No. 5.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                    DB 6; Length 233;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7; Length 233;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7; Length 233;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 185;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DE ABUS3237 standard; protein; 185 AA.

DE Human testes-derived DKFZphtes3_4b4 homologue #1.

PN WO200112659-A2.

PD 22-FEB-2001.

PA (GEHU-) GERWAN HUMAN GENOME PROJECT.

Query Match

Best Local Similarity 34.0%; Pred. No. 5.5e-10;

RESULT 755
                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.5%; Score 241; DB 4;
Best Local Similarity 34.7%; Pred. No. 8.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.5%; Score 240; DB 7; 34.0%; Pred. No. 5.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.7%; Score 245; DB 7, 34.2%; Pred. No. 3e-10;
                                                                                            9.7%; Score 246; DB 8 28.0%; Pred. No. 6e-10;
                                                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME SCI INC.
ry Match
t Local Similarity 34.2%; Pred. No. 3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.7%; Score 245; DB 7 34.2%; Pred. No. 3e-10;
JP2004008021-A.
15-JAN-2004.
(KAGA- KAGAKU GIJUTSU SHINKO JIGYODAN. (RIKA ) R.HKAGAKU KENKYUSHO.
(DANA-) DANAPOMU KK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE59055 standard, protein, 188 AA.
Rat Protein AAD16986, SEQ ID NO 4946.
WO200316475-A2.
(GEHO ) GEN HOSPITAL CORP.
(FARE ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE59059 standard; protein; 188 AA.
Rat Protein AAD16986, SEQ ID NO 4950.
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC74330 standard; protein; 233 AA. Human secreted protein - SEQ ID 963.WO2003038063-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU08687 standard; protein; 300 AA.
Human FCTR7 polypeptide sequence.
WO200166747-A2.
13-SEP-2001.
(CURA-) CURAGEN CORP.
                                                                                                                                               ADA57226 standard; protein; 233 AA.
Human secreted protein #509.
WO2002102994-A2.
                                                                                                                                                                                                                                                                                                    ADA41107 standard; protein; 233 AA.
Human secreted protein.
WOC2002102993-A2.
27-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE86030 standard; protein; 233 AA.
Human sperm polypeptide CRISPY.
WO2003087151-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(PARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                -2002.
-2002.
-2002.
-2ry March
Best Local Similarity 3
RESULT 751
ID ADC74330 stander
DE Human secre
PN WO2030**
PP 08-**
                                                                                                          Best Local Similarity :
RESULT 749
ED ADA57256 standard; prc
DE Human secreted proteir
PN WC2002102994-A2.
PD 27-DEC-2002.
PA (HUMA-) HUMAN GENOME S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 756
ID ADE59055 standard; pr.
DE Rat Protein AAD16986,
PN WG203016475-A2.
PD 27-FEB-2003.
PA (GEMO ) GEN HOSPITAL
PA (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003.
(MONU ) UNIV MONASH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 753
                                                                                                                                                                                                                                                             Best Local Similarity RESULT 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

```
AD031202 standard; protein; 1268 AA.
Mouse neurocan protein for glucosaminoglycan reduction in glial scars.
WO2004041197-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%; Score 235.5; DB 3; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 765
                                                                                                                                                                                                                                                                                                               Score 237.5; DB 3; Length 431;
Pred. No. 2.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 9.4%; Score 237.5; DB 4; Length 501; Best Local Similarity 25.8%; Pred. No. 2.6e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.4%; Score 237.5; DB 8; Length 501; Best Local Similarity 25.8%; Pred. No. 2.6e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 3; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.4%; Score 236.5; DB 4; Length 348; 30.9%; Pred. No. 2.1e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1268;
                                                                                                                                  Length 261,
ADF74426 standard; protein; 261 AA.

Human differentially methylated in cancer (DMC-1) protein.

MO20030335350-A1.

13-NOV-2003.

(UYBR-) UNIV BRISTOL.

(UMOR.) UNIV MISSOURI.
                                                                                                                                                                                                AAB41816 standard; protein; 431 AA.
Human ORFX ORF1580 polypeptide sequence SEQ ID NO:3160.
WO200058473-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB44294 standard; protein; 500 AA.
Human PRO541 (UNQ342) protein sequence SEQ ID NO:363.
WO200053756-A2.
14-SEP-2000.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                   AAE10619 standard; protein; 501 AA.
Human novel trypsin inhibitor-like protein, NOV-4e.
WO200162928-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 760

ID ADH71200 standard; protein; 501 AA.

DE Human protein of the invention NOV6h SEQ ID NO:96.

PN W02003102155-A2.

PD 11-DEC-2003.

PA (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
                                                                                                                       Query Match 9.5%; Score 239; DB 7;
Best Local Similarity 33.5%; Fred. No. 9.7e-10;
RESULT 758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.3%; Score 236; DB 8; Best Local Similarity 25.3%; Pred. No. 9.7e-09; RESULT 763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 2
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human diagnostic protein; 348 AA. WO20175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY41738 standard; protein; 500 AA.
Human PRO541 protein sequence.
WO9946281-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-MAY-2004.
(UYCA-) UNIV CASE WESTERN RESERVE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB47999 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 24.5%;
RESULT 764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                               Match 9.4%;
Local Similarity 25.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GEMY ) GENETICS INST INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-SEP-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                   05-OCT-2000.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                             30-AUG-2001.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cocoa crisp protein.
WO200059938-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                          Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500,
                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                              DB 4; Length 500;
                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO541. US2003036147-A1.
                                                                                                                                                                                                                                                                                                                                 ABU87982 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032127-A1.
                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                          Score 235.5; DB 5;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR65561 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036159-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABRé6111 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027278-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) #35. US2003032112-A1. 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU99501 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040070-A1.
                                                                                 9.3%; Score 235.5; DB 4 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU82740 standard; protein; 500 AA.
Human PRO polypeptide #35.
US200332113-A1.
13-FEB-2003.
        AAU29058 standard; protein; 500 AA. Human PRO polypeptide sequence #35: W0200168848-A2. 20-SEP-2001.
                                                                                                                                                                                                                                     ABU58434 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003027272-A1.
06-FEB-2003.
                                                                                                                         ABG90983 standard; protein; 500 AA.
Breast specifc polypeptide #12.
WO200264741-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                    22-AUG-2002.
(DIAD-) DIADEXUS INC.
RESULT 766
ID AAU29058 standard; pr
DE Human PRO polypeptide
PN WO200168848-A2.
PD 20-SEP-2001.
PA (GETH ) GENENTECH IN
                                                                               Query Match
Best Local Similarity
RESULT 767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 774
                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 769
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 772
                                                                                                                                                                                                            Best Local Similarity RESULT 768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                        DE DE
                                                                                                                                                                                                                                            SSEC
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane protein PRO541. US2003013153-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AB025240 standard, protein, 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003050239-A1.
                                                                                                                                                                                                    ABU96163 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003036144-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                              9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR94639 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044926-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABR74877 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040056-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
ABR68110 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027264-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO02723 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040062-A1.
                                                                                                                       9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein (PRO) #35 US2003036149-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein (PRO) US2003044923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU85612 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003036140-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU97987 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                       protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO08671 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L.99-A1.
L.2003.
L.T. JOBNENTECH 1.
L. LOCAL SIMILARITY ARCH TRESULT 784
ID ABUSE12 stande DE Human PRO PRINGE PRO 102003^C
PRO 102003^C
PRO 102003^C
PRO 20003^C

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Bast Local Similarity
RESULT 781
ID ABR74877 standard; p
DE Human secreted polyp
PN US2003040056-A1.
PD 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 782
                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 780
                                                                                                                                Query Match
Best Local Similarity
RESULT 777
                                                                                                                                                                                                                                                                                                                                                                                                                          ABU92594 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAR-2003.
                                                                                                                                                                                                                                                                                                            20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 785
```

```
6; Length 500;
                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                     6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6; Length 500;
                                                                                               ABU91693 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003027277-A1.
                                                                                                                                                                                                                      ABU72246 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2002192706-A1.
Novel human secreted and transmembrane protein PRO541 US2003017544-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABR99386 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABR98776 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040064-Al.
27-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%; Score 235.5; DB 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU67440 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036162-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO16299 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003027267-A1.
06-PEB-2003.
                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                      Score 235.5; DB (
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU86227 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036146-A1.
                                                                                                                                                                                                                                                                                                                                                           ABU89386 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003036141-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU80468 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 24.5%; Pr
RESULT 792
ID Human PRO protein #35.
PN US200036137-A1.
PD 20-FFB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.5%;
                                                                                                                                                                                                                                                                        19-DEC-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 793
                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 789
                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 795
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 796
                                                            Best Local Similarity
RESULT 787
                                   23-JAN-2003.
                                                                                                                                                      06-FEB-2003.
                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                Length 500;
                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU88687 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003036133-A1.
OP-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADUMDING Standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
                                                                                                                                                                                                                                                                                                                                                            ABU84997 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541
US2003032114-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO00136 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032101-A1.
13-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                   .,
9
ABR92199 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036160-A1.
20-FBB-2003.
                                                                                                                                                                                                                             ABR78261 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR59219 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                              ABO18840 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003044925-A1.
                                                                                                                                                                               Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO11468 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036124-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO02113 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040054-A1.
27-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU83382 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036134-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                  9.3%;
                                                                                                                                                                                                                                                                                 20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 799
                                                           Query Match
Best Local Similarity
RESULT 797
                                                                                                                                                                                             Best Local Similarity RESULT 798
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                   06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
RESULT 802
                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

Length 500;

```
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 825
                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                             Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                       Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                           Length 500;
                                                                                                                                                    ABO19145 standard, protein, 500 AA. Novel human secreted and transmembrane protein PRO541.
US2003036118-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUG4926 standard; protein; 500 AA.
Human secreted and transmembrane PRO polypeptide
US2002177553-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                              Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABUG5603 standard; protein; 500 AA.
Human secreted/transmembrane protein, SEQ ID 70.
US2003036156-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO03638 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036128-A1.
                                                                                                                                                                                                                                                                                                                                                           ABR66781 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036148-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO15994 standard; protein; 500 AA.
ABO15994 standard; protein; 500 AA.
US2003040060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -ABO13700 standard; protein; 500 AA. Human secreted/transmembrane protein (PRO) #35. US2003044916-A1.
                                                                                                                                                                                                                                                                     ABO11163 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036123-A1.
                                                                    ABO09281 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003027324-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #35.
US2003032117-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                          9.3%;
                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                           20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 812
                                                                                                                                                                                                                                                                                                                             Ouery Match
Best Local Similarity
RESULT 810
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 811
                                                                                                                                      Best Local Similarity RESULT 808
                                             Best Local Similarity RESULT 807
         US2003027275-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                      Query Match
                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                    DE DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BEED
                                                                                                                                                                                                                                                                            SKE
                                                                                                                                                                      A B B B B
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU95243 standard; protein; 500 AA.
ABU95241 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003036117-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                          DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR69330 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036132-A1.
Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR69997 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032138-A1.
                                                                                                                                                                                                                                            DB 6;
                                            ABR67086 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027266-A1.
06-FEB-2003.
                                                                                                                                                                                                                                         Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                            ABO15689 standard; protein; 500 AA.
Aman secreted/transmembrane protein (PRO) #35.
US2003054483-A1.
                                                                                                                                                                                                                                                                                           ABUSS970 standard; protein; 500 AA. Human secreted/transmembrane protein, PRO541. US2003022298-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #35.
US2003032102-Al.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABUT1146 standard; protein; 500 AA. Human PRO541 protein. US2003036143-A1. 20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO07756 standard; protein; 500 AA. Human PRO polypeptide #35.
US2003032130-A1.
                                                                                                                                                                                                                                                                                                                                                                                                       ABUG1124 standard; protein; 500 AA.
Human PRO541 polypeptide.
US2002165284-A1.
14-NOV-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 9.3%;
Local Similarity 24.5%;
   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                              9.3%;
                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                          Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                   20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
        Query Match
Best Local Similarity
RESULT 817
                                                                                                                    Query Match
Best Local Similarity
RESULT 818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-2003
```

```
Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                            6; Length 500;
                                    ABUJ4933 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541
US2003032123-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR64888 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027263-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR68720 standard; protein; SOO AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR99081 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040068-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                            Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                       ABU83992 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032111-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO06536 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB (
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABUS6965 standard, protein, 500 AA. Human PRO polypeptide #35. US2003027280-A1.
                                                                                                                                                                                                                                                                                                                                       9.34;
9.3%;
                                                                                                            9.3%;
                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
           Best Local Similarity RESULT 837
                                                                                                                      Best Local Similarity RESULT 838
                                                                                                                                                                                                                                    Best Local Similarity RESULT 839
                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 846.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-FEB-2003.
                                                                                                                                                                                                                                                                                                                    13-FEB-2003.
                                                                                                                                                                                                          13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                    13-FEB-200
 Query Match
                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                Length 500;
                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                        DB 6;
                                                                                                                                                                                                                                                                                                                                                                   9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                    ABR60070 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032137-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                          ABR67805 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027269-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR65193 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027268-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR68415 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027274-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR71827 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032135-A1.
             Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                       Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein (PRO) #35.
US2003022297-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU83077 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032105-A1.
                                                          ABO01471 standard; protein; 500 AA. Human PRO polypeptide #35. US2003008353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU85307 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003022295-Al.
30-JAN-2003.
                                                                                                                                                                                      ABU81273 standard; protein; 500 AA Human PRO polypeptide #35.
1220030117542-A1.
23-JAN-2003.
                                                                                                                                       Query Match
Best Local Similarity 24.5%; P.
Best Local Similarity 24.5%; P.
BESULT 828
ID ABU81273 standard; protein; 501
DE Human PRO polypeptide #35.
PD 43-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                         09-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                     ...ypep.
...dN-2003.
...dry Match
Best Local Similarity RESUL 829
ID ABR60070 stand
DE Human ser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 834
           Query Match
Best Local Similarity
RESULT 827
                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-FEB-2003.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 830
ID ABR678(
DE Human 6
PN US2003(
PD 06-FEB-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 833
ID ABR7182
DE Human 6
PN US2003(
PD 13-FEB-
```

```
Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                          6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
ABU90481 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032108-A1.
                                                                                                                                                                                                                                                                                                      ABU93643 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032119-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU85317 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003022300-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
9
                                                                                                                                                                                                                                                                                                                                                                                                                     . 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 24.5%;
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                            Length 500;
                                                       Length 500;
                                                                                                                                            Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU99806 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003022296-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU65936 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003036157-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel human secreted and transmembrane protein PRO541. US2003036155-A1.
                                                                                                                                                                                                                                                                                                                                                                ABUSI772 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032104-A1.
      ABU82204 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                     Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                               DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted polypeptide PRO541, SEQ ID NO:70.
13-FEB_2003.
1y Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB (
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6 pred. No. 3.7e-09;
                                                                                                                                                                                     ABU83687 standard; protein; 500 AA.
Human secreted(transmembrane protein (PRO) #35.
US2003032109-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein PRO541.
US2003004102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR66476 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                      Human PRO polypeptide #35.
US2003040066-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU80393 standard; protein; 500 AA
                                                                                              ABU87215 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003036138-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                           9.3%;
                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 851
                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 852
                                                                                                                                               Query Match
Best Local Similarity
RESULT 849
                                                                                                                                                                                                                                                    Best Local Similarity RESULT 850
                                                            Query Match
Best Local Similarity
RESULT 848
                                    US2003036136-A1
                                                                                                                                                                                                                                                                                                                                                                                                             13-FEB-2003.
                                                                                                                                        20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-JAN-2003
                                               20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 855
RESULT 847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                POE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEE
                                                                                                                                                                                                                                                                                                                                                                         BEER
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                               Length 500;
                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU86837 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003032131-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR65866 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036165-A1.
                                                                                                                                                                            9
                                                               Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR70302 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032139-A1.
                                                                                                         ABR90894 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040058-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6
Pred. No. 3.7e-09;
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027281-A1.
                                                                                                                                                                                                                                                                               Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                          Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU86532 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032129-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #35.
19200302301-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AB004553 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003032107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU94626 standard, protein, 500 AA.
Human PRO polypeptide #35.
US2003032103-A1.
                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%; Fred.
RESULT 860
ID ABUT9203 standard; protein; 500 AA.
DE Human PRO polypeptide #35.
PN US2003032106-A1.
PD 13-PEB-2003.
                                                                                                                                                                              Query Match
9.3%; Score
Best Local Similarity 24.5%; Pred.
RESULT 859
1D ABU94321 standard; protein; 500 AA.
DB Human PRO Polypeptide #35.
PN US203017540-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                 Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 858
                                                       INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 863
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 861
                                       06-FEB-2003.
(GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-2003.
                                                                                                                                                               27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                         Query Match
```

24.5%; Pred. No. 3.7e-09;

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                               9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                               Length 500;
                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%; Score 235.5; DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU91078 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541
US-003036154-A1.
US-00-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU90171 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003036153-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                               DB 6;
                                                                                                                                      9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
           Query Match 9.3%; Score 235.5; DB 6. Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 868
                                                                        ABR64583 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003037262-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR70912 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
27-FRB-2003.
                                                                                                                                                                                                                                                                                                 ABU92899 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036142-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AB009586 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003044931-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO10858 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036150-A1.
                                                                                                                                                                            Human PRO polypeptide #35.
US2003032110-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU87520 standard; protein; 500 AA.

Human PRO polypeptide #35.

N US2003022293-A1.

30-JAN-2003.

Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           ABU95858 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003036145-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                     rEB-2003.

Left Match
Best Local Similarity RESULT 870
ID ABU92899 stand
DE Human Ser
                                                                                                                                                                                                                                                                                                                                                                                                                          Lypep.

LEB-2003.

LeEY Match
Best Local Similarity RESULT 872
ID ABU91078 standone US20.
PN US20.
                                                                                                                                      Query Match
Best Local Similarity
RESULT 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 874
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                               0 8 8 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 2 2 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28 E C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEE
                                                                                                                                                                                         2225
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                   Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and transmembrane protein PRO541.
US2003032140-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                     ABR69692 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
USO03032122-Al.
                                                                                                                                                  ABUB4602 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032116-A1.
13-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO09891 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003017543.A1.
23.ANN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein (PRO) #35 US2003036152-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU10544 standard; protein; 500 AA.
Human secreted/transmembrane protein #35.
US2002127584-A1.
                               ABU91388 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003032128-A1.
13-FRB-2003.
                                                                                                                                                                                                                                                                                                                                                                                       ABU80069 standard, protein, 500 AA.
Human PRO protein #35.
US2003036139-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU93338 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003017541-A1.
23-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU95553 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003032115-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO08976 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein; 500 AA
                                                                                                   9.3%;
                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 24.5%;
RESULT 886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-SEP-2002.
(GETH ) GENENTECH INC.
Best Local Similarity
RESULT 878
                                                                                                               Best Local Similarity RESULT 879
                                                                                                                                                                                                                               Best Local Similarity RESULT 880
                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU96762 standard;
                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                        Query Match
```

Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;

```
Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 898
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA77822 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                           Length 500
                                                                                                                                          ABO04958 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003008352-A1.
                                                                                                                                                                                                                                  . '9
                                                                                                                                                                                                                                                                                                                                                         .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.3%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR88454 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068743-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ARRB1156 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049743-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM00852 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049769-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cuery Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
BESULT 894
ID ABR80851 standard; protein; 500 AA.
DE Human secreted polypeptide PRO541, SEQ ID NO:70.
PD 13-YAR-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR73962 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036135-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR95554 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054455-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%; Score 235.5; DB 6
24.5%; Pred. No. 3.7e-09;
       ABR70607 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040076-A1.
                                                                                                                                                                                                                                                                                                                                                       9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                        ABO05573 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032118-A1.
                                                                                                                                                                                                                  Query March 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 890
                                                                                                                                                                                                                                                                                   ABOO03366 standard; protein; 500 AA.
Human secreted(transmembrane protein (PRO) #35.
US2003044922-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 24.5%; Pr
RESULT 896
ID ABMO0852 standard; protein; 500
DE Human secreted polypeptide PRO5
PN US2003049765-A1.
PD 13-MRR-2003.
PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 9.3%;
Local Similarity 24.5%;
                                                                                       Best Local Similarity 24.5%;
RESULT 889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                       09-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2003.
                                                                 27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
RESULT 895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEE
                                                                                                                                                                                                                                                                                                                                                                                                                   2222
```

```
9.3%; Score 235.5; DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                   Length 500;
                                                                                                                                                                                                                                 Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . 9
                                                                                        .
9
                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO:70
                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM07921 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068752-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6 Pred. No. 3.7e-09;
ABM77275 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054479-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane protein (PRO) #35. US2003073180-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO00401 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068682-A1.
                                                                                      9.3%; Score 235.5; DB 6
24.5%; Pred. No. 3.7e-09;
                                                                                                                                            ABO28759 standard, protein; 500 AA.

Human secreted/transmembrane protein (PRO) #35.
US2003086885-A1.
(A-ARR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                       AB031504 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABMX4760 standard; protein; 500 AA.
Human secreted polypeptide PRO541,
US2003104539-A1.
OS-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO35826 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003068701-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO43965 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003068755-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                   Best Local Similarity 24.5%;
RESULT 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             y Match 9.3%;
Local Similarity 24.5%;
                                                                                                  Best Local Similarity 24.5%;
RESULT 899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                         20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
```

```
US2003064440-A1
                       03-APR-2003.
                                                                                                                                                                                                                                                                                 10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-APR-2003
                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT
                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                        Length 500;
                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                  9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 913
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.3%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                        Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                             9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted polypeptide PRO541, SEQ ID NO:70. US2003054473-A1. COMAR-2003. (GETH ) GENEWIECH INC.
                                                                                                                                                                                                                                                                            ABM17198 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054459-A1.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR95249 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040071-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR97751 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064452-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR87539 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US20038705-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                       ABR90284 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040075-A1.
27-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                     ABR94944 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044930-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM27810 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
 24.5%; Pred. No. 3.7e-09;
                                  ABO03028 standard; protein; 500 AA.
Huwan secreted/transmembrane protein (PRO) #35.
US2003036131-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human secreted/transmembrane protein (PRO) #35. US2003054471-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO21487 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 24.5%;
RESULT 916
D ABM27810 standard; protein; 50
                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                          .ded po.
.ded po.
.ded po.
.dery Macch
Best Local Similarity 2.
RESULT 911
ID ABR95249 stande
DE Human secre
PN US2030.
PD 27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 912
ID AB021487 standard; pz
DE Human secreted/transm
PN US2003054471-A1.
PD 20-MAR-2003.
PA (GETH ) GENENTECH INC
                                                                                                                   Best Local Similarity RESULT 908
                                                                                                                                                                                                                                          Best Local Similarity
RESULT 909
                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 910
Best Local Similarity
RESULT 907
                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                        Query Match
                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DE NO E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PONE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BRAGE
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                      Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                      ABM35048 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073183-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM26285 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104549-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  АВК92809 standard; protein; 500 АА.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US200304462-A1.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM02682 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073184-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM11581 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064447-A1.
                                                                                                                                                                                                                                                                                     Score 235.5; DB 6,
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO48067 standard; protein; 500 AA,
Human secreted/transmembrane protein (PRO) #35.
US2003049749-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO24570 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003065159-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Just J. GENENTECH INC.

Just J. GENENTECH INC.

Best Local Similarity 24.5%; Prec.

RESULT 922

ID ABR92809 standard; prof.

DE Hunan secreted po'

PN US2003064467

PD 03-APP
9.3%;
                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                           Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                          17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                    10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENENTECH INC.
Query Match
Best Local Similarity
RESULT 917
ID ABM06091 standard; pi
DE Human secreted polype
PN US2003068704-A1.
PD 10-ARR-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 923
```

Length 500;

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                     Length 500;
                                                                                                                               Length 500;
        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                Ouery Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
         DB 6;
                                                                                                                                  .,
                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM09446 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073175-A1.
                                                                                                                                                                                                                                                                                                 ABMZ9030 standard; protein; 500 AA.
Human secreted polypeptide PROS41, SEQ ID NO:70.
US2003068721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                        ABM07006 standard; protein; 500 AA.

Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068699-A1.
10-ABR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM21100 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068707-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO11316 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068695-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Beet Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 931
                                                      ABM15978 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064463-A1.
         9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                              Query Match
Beet Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 927
                                                                                                                                                                                                                                                        Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                           Human secreted/transmembrane protein (PRO) #35.
US2003064451-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #35.
US2003068703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #35.
10-App-ann
                                                                                                                                                                                 protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                         03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                             03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 932
                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 930
                Query Match
Best Local Similarity
RESULT 926
                                                                                                                                                                                 ABO27539 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PONGE
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                        Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR94334 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044917-A1.
06-WAR-2003.
                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted polypeptide PRO541, SEQ ID NO:70. US:2003036130-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR73657 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054468-A1.
                                                                                                                                                                                                                                                                           ABM25675 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104542-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                       ABM25980 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104543-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO16909 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003054470-A1.
                                Human secreted polypeptide PRO541, SEQ ID NO:70.
US200308217-Al.
                                                                                                                                                      ABM76056 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Acousses standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US200303127-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO02418 standard, protein, 500 AA.
Hans secreted/transmembrane protein (PRO) #35.
US2003040661-A1.
27-FEB-2003.
                                                                                                                                                                                                                                 9.3%; Score 235.5; DB 6
24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 24.5%;
RESULT 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 24.5%;
RESULT 943
                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                               9.3%;
    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                          05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 938
                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 937
                                                                                                                  Query Match
Best Local Similarity
RESULT 936
        Query Match
Best Local Similarity
RESULT 935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          05-JUN-2003.
                                                                                                01-MAY-2003.
```

```
DB 6; Length 500;
                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cuery Match Similarity 24.5%; Pred. No. 3.7e-09; RESULT 952

ID AB03188 standard; protein; 500 AA.

DE Human PRO polypeptide #35.

PN US2003068724-A1.

PD 10-APR-2003.

PA (GETH ) GENENTECH INC.
                                                                                                                                   9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 9.3%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 947
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.3%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                       ABR75841 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044929-A1.
                                                                                                                                                                                       ABR71217 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003059880-A1.
                                                                                                                                                                                                                                                                                                                                            ABR93114 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064465-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR93419 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054478-A1.
20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       лыкв/844 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
10.2003068718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABM04876 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068727-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vuery Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 953
9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO27844 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO)
US2003064454-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO29979 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO)
US2003064461-A1.
                                                                                                                                                                                                                                                 27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                      03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                 Query Match
Best Local Similarity
RESULT 946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 950
           Best Local Similarity RESULT 945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-APR-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A S S S S S S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A S S S S S S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A B M B B B
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
ID ABMO8836 standard; protein; 500 AA.

BE Human secreted polypeptide PRO541, SEQ ID NO:70.

BN US2003068772-A1.

PD 10-APR-2003.

PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM11886 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104555-A1.
OS-UNA-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted polypeptide PROS41, SEQ ID NO:70. US2003069407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                        AB036436 standard, protein, 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO39486 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO33655 standard; protein; 500 AA.
ABO33655 standard; protein; 500 AA.
US2003032134-A1.
                                                                                                                                                                                                                                                                                                       AB035521 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003068758-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABOS2032 standard, protein, 500 AA.
Human PRO polypeptide #35.
US2003049768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO52337 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR97141 standard; protein; 500 AA
                                                                                                         9.3%;
                                                                                                                                                                                                                              (GETH ) GENENTECH INC.

1.17 Match

1.2 Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 961
                                                                                                                                                                                                                                                                                                                                                                                                Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 958
ID ABM10361 standard, protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #35.
US2003049771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                               10-APR-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 956
                                                                                                                      Best Local Similarity RESULT 955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                   10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-2003
                                                                                                           Query Match
                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loc
RESULT 963
```

US2003068751-A1.

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                           9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                   9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            now2320 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068740-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM07616 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM04207 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABMO6396 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM15241 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068692-A1.
                                                                                                                                                                                                                                                               ABM10971 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049782-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                   ABM28115 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054476-A1.
                                                                                                                         ABR86929 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049778-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
Human secreted polypeptide PRO541, SEQ ID NO:70 US2003054481-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AB032114 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068733-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%;
RESULT 968
                                                                   Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAR-2003.
(GETH ) GENENTECH INC.
                                    20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                     Best Local Similarity RESULT 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best I
RESULT 9
       POPP
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                               Length 500;
                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                               ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6;
                                                                                                                                            Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                       ABM35353 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073179-A1.
                                                                                                                                                                                                                                                                                                                ABM33116 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003087374-A1.
08-MAX-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO04248 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036164-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO05878 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040074-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU99196 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABOS0202 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049777-A1.
                                                                      ABO40706 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068684-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #35.
13-000 Human PRO polypeptide #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003.
(GETH ) GENENTECH INC.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                            17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best_Local Similarity RESULT 977
                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 976
ID ABO52642 standard;
                                      Best Local Similarity
RESULT 973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2003.
                                                                                                                       10-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                            Query Match
                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 979
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            query Match 9.3%; Score 235.5; DB 6; Length 500;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 991
                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JUETY MATCH INC.

SEQ ID NO:70.

GENENTECH INC.

9.3%; Score 235.5; DB 6; Len
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 988
ID ABO41926 standard; protein; 500 AA
DE Human secreted/transmembrance
PN US200304945-A1.
PD 13-MAR-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 987
                                                                                                                                                                                                                                              DB 6;
                                                                                                                                                                                                                                                                                                                                                                                  9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                   9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
              ABR97446 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003059885-A1.
                                                                                                                                                    ABR80546 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US203049740-A1.
13-MAR-2003.
                                                                                                                                                                                                                                                                                             ABM01157 standard; protein; S00 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR88759 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073169-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM13411 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064457-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM10056 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003067478-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 989
                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO42536 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO)
US2003049751-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO38571 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                              13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                 27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                              Best Local Similarity RESULT 983
                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 990
                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-APR-2003.
                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
RESULT 982
                                                                                                                                                                                                                                                                                               2 2 2 2 E
                                                                                                                                                                                                                                                                                                                                                                                                                                      0 2 2 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A S S S S S S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          232C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A B A B B B
```

```
Length 500;
                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6; Length 500;
                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane protein PRO541.
US2003050241-A1.
                                                                                                                                                                                              Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted polypeptide PROS41, SEQ ID NO:70.
                                                                                                                                                                                                                                              ABM22625 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
08-2003087373-A1.
08-2003087
                                                                                                                                                                                                                                                                                                                                                            ABM74836 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003096353-A1.
                                                                                                                                Human secreted polypeptide PROS41, SEQ ID NO:70.
US2003073185-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR96226 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054458-A1.
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM02377 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003059886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR66624 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049772-A1.
                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6
Pred. No. 3.7e-09;
Human secreted/transmembrane protein (PRO) #35.
US2003068773-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Auman secreted/transmembrane protein (PRO) #35. US200073173-A1.
                                                                                                                 ABM32811 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; 500 AA
                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 24.5%;
RESULT 999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                 9.3%;
                                                                                                                                                                                             Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 993
                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0 13-MAR-2003.
1 (GETH ) GENENTECH INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAR-2003.
(GETH ) GENENTECH INC.
                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                             Best Local Similarity
RESULT 992
                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA24902 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
```

```
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068737-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6;
                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 24.5%; Pred. No. 3.7e-09; ESULT 1005

ID ABM2325 standard; protein; 500 AA.

DE Human secreted polypeptide PRO541, SEQ ID NO:70.

PN US2003068753-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM28420 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003082715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM28725 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003082716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM22015 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068742-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM23845 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068735-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                ABMI6588 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064448-A1.
03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                     ABM22640 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064456-A1.
                                                                                                                                                                                                                                                                  Query Match 9.3%; Score 235.5; DB 6 Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%; Score 235.5; DB 6
24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein (PRO) #35.
US2003068756-Al.
                                                                                                                                                                                                                                                                                                                                            #35.
                24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein (PRO) US2003068693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM66369 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein; 500 AA
                                                                                                                                                                                                                                                                                                                 /T 1003
ABO29064 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 24.5%;
RESULT 1004
                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1008
ID ABM28420 standard; pr
DE Human secreted polype
PN US2003082715-A1.
PD 01-MAY-2003.
                                                                                                                                                                                                                                            03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1009
                                                                                                                                               Best Local Similarity
RESULT 1002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO37656 standard;
                Best Local Similarity RESULT 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match
                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E 10
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                       Length 500;
                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO19695 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541
US2003050240-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                        9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABREGES1 standard; protein; 500 AA.
Human secreted polypeptide PROS41, SEQ ID NO:70.
US2003054460-A1.
20-MAR-2003.
                             .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA12563 standard; protein; 500 AA.
Human secreted/transmembrane polypeptide PRO541.
US2003055216-A1.
                                                                                                                                                                                                                                                                                                                                                         ABM34336 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SBQ ID NO:70.
US200310061-A1.
29-MXY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                              ABM75751 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104547-A1.
05-UNA-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                ABM34031 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003096359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application (PRO) #35. Human Becreted/transmembrane protein (PRO) #35. US2003054477-A1.
                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1012
                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO20267 standard; protein; 500 AA.
Aman secreted/transmembrane protein (PRO) #35.
US2003032125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO21182 standard; protein; 500 AA. Human secreted/transmembrane protein (PRO) #35. US2003054454-A1.
                           Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 24.5%;
RESULT 1019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 24.5%;
RESULT 1018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                           Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                          22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-MAR-2003.
(GETH ) GENENTECH INC.
            GENENTECH INC.
                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 1013
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAR-2003.
10-APR-200
(GETH ) GE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
```

```
Query Match 9.3%; Score 235.5; DB 6; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        vuery Match
9.3%; Score 235.5; DB 6; Length 500;
BBBt Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1022
                               9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match 9.3%; Score 235.5; DB 6; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Leary Match
Best Local Similarity 24.5%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
BESULT 1025
BE Human secreted polypeptide Process 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1027
                                                                                                                      ABR85709 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049753-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM29335 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068679-A1.
                                                                                                                                                                                                                                                                                                                                                                                      ABR95631 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049763-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM00242 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US20303172-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM00547 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073172-A1.
17-ABR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 24.5%; Score 235.5; DB 6
RESULT 1028
ID ABO45566 standard; protein: 500 %
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO38266 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO22674 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #35.
17-App.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-APR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1023
ID ABMO0547 standard; pro
DE Human secreted polype;
PN US2003073172-A1.
PD 17-APR-2003.
                           Query Match
Best Local Similarity
RESULT 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2282
                                                                                                                                                                                                                                                                                                                                                                                                    BESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22 E E
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vuery match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1034
                                                                                                                                                                                                                                                                   DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.3%; Score 235.5; DB 6; Length 500;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
9
                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
ABM20490 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104557-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR92504 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064446-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR89674 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073171-A1.
                                                                                                                                                                                                                                                             Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR81461 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70
US2003049744-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM77885 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70
US2003049783-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1036
                                                                                                                                                          ADA81341 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003092121-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                             ABO16604 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003027276-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO18230 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
22003044920-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AB022657 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003027265-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO22962 standard; protein; 500 AA.
                                                                                            Best Local Similarity 24.5%;
RESULT 1030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #35.
US2003054461-A1.
20-MAR-2003.
                                                       05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-MAR-2003.
(GETH') GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1033
                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 1035
                                                                                                                                                                                                                                                                                                                                                                                           06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
```

```
ABO35216 standard; protein; 500 AA.

Human PRO polypeptide #35.
US2003068738-A1.
10-APR-2003.
10-APR-2003.
GETH ) GENENTECH INC.
9.3%; Score 235.5; DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                      Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM03902 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABM07311 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068702-A1.
                                                                                                                                                                                   ABM13716 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064458-A1.
                                                               ABM26590 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032121-Al.
13-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO41621 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068729-A1.
                                                                                                                                                                                                                                                                                                                         ABO28454 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064460-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO30284 standard, protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064464-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane protein (PRO) #35.
US2003068719-A1.
                                                                                                                                  Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO37046 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 24.5%;
RESULT 1046
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%;
RESULT 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
              9.3%;
                                                                                                                                    9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                         03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                               03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1045
                                                                                                                                                                                                                                                                                                                                                                                                                          Best_Local_Similarity
RESULT 1042
                                                                                                                                    Query Match
Best Local Similarity
RESULT 1040
                       Best Local Similarity RESULT 1039
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                  Query Match
```

```
9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                  Length 500;
                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1055
ID ABR79631 standard; protein; 500 AA.
DE Human secreted polypeptide PRO541, SEQ ID NO:70.
PD 77-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vuery match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                      Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1050

ID ABO47762 standard; protein; 500 AA.

PRUS2003049747-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM16693 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040078-A1.
27-FEB-2003.
                                ABM25065 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104540-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABOS0507 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049779-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                            ABO48372 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049750-A1.
                                                                                                                                             ABO47457 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049742-A1.
   24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #35.
13-Mab-2-2-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO17925 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO51122 standard; protein; 500 AA. Human PRO polypeptide #35. US2003049766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              uery Match
Best Local Similarity 24.5%; Pre
RESULT 1053
ID ABO51727 standard; pro-
PR US200304976-
PA US200304976-
PA US200304976-
PA US200304976-
PA US200304976-
PA US200304976-
PA US200304976-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                           13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                 13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1054
                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1051
Best Local Similarity
RESULT 1048
                                                                                                       Query Match
Best Local Similarity
RESULT 1049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 1057
```

us-09-943-664-50.rag.spdi

```
Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 9.3%; Score 235.5; DB 6; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 9.3%; Score 235.5; DB 6; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1066
                                                            Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                       Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Length 500;
                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%; Score 235.5; DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ŝ
                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABM06701 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068730-A1.
                                                                                                                                                                                                                                                                                                                                                                                   ABM12191 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064445-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM16283 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064449-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM24150 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064441-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM14631 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068696-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM04512 standard; protein; S00 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ĀBM09141 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073174-Al.
17-AR-2003.
                                                                                                                                                                                                                                                       Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054462-A1.
                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
     Human secreted/transmembrane protein (PRO) #35.
US2003044918-Al.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                              Human secreted/transmembrane protein (PRO) #35.
US2003032132-A1.
13-FEB-2003.
                                                                                                                                                                                                                                             500 AA
                                                                                                                 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 24.5%;
RESULT 1061
                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 24.5%;
RESULT 1062
                                                            9.3%;
                                                                                                                 protein;
                                                                                                                                                                                                                                             protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                              03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jety Match

APR-2003.

APR-2003.

Lety Match

Best Local Similarity 2.

RESULT 1063

ID ABM14631 stand?

DE Human secre.

PD US2003.

PD 10-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                     Best Local Similarity
RESULT 1058
ID ABO20877 standard; pr
DE Human secreted/transm
PN US2003032132-A1.
PD 13-FEB-2003.
                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1065
                                                                                                                                                                                                                                           ABR96836 standard;
                                                                                                                                                                                                                                                                                                  20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                       PERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A S S S S S
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                      Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                 Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                               ABM19880 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104554-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR71522 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032133-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR72132 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003032136-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR98471 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                          ABM75446 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70
US2003104545-A1.
                                                                                                                                                                                                                                                                                    ABM25370 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70
US2003104541-A1.
ABO39181 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068775-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA83139 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049752-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #35.
13-Mac-2003049765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO46786 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003049762-Al.
                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 24.5%;
RESULT 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                            Query Match
Best Local Similarity 24.5%;
RESULT 1069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 24.5%;
RESULT 1071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 24.5%;
RESULT 1072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003.
(GETH ) GENENTECH INC.
                                                    10-APR-2003.
(GETH ) GENENTECH INC.
Query Match
                                                                                                                                                                                            05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1074
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                        05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
```

Human secreted polypeptide PRO541, SEQ ID NO:70. US2003059879-A1.

```
Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                        Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                        DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR73047 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027270-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM18113 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                            ABR84794 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040057-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                        ABR73352 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054467-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR76446 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO20572 standard; protein; 500 AA.

Human secreted/transmembrane protein (PRO) #35.
US2003032126-A1.
                                                                                                                                                        Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                    ABO06841 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003040053-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO25315 standard, protein, 500 AA. Human PRO polypeptide #35.
US2003054463-A1.
C20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR94029 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%;
RESULT 1085
                                                                                                                                                           9.3%;
                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #35.
US2003054466-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                               20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1080
ID ABR76446 standard; pr
DE Human secreted polype
PN US2003044932-A1.
PD 06-MAR-2003.
                                                                                                                                                           Query Match
Best Local Similarity
RESULT 1078
ID ABR84794 standard; p:
DE Human secreted polypt
PN US2003040057-A1.
PD 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1086
ID ABR94029 standard; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO25620 standard;
                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1079
                            Query Match
Best Local Similarity
RESULT 1077
US2003036129-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-FEB-2003.
                    20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEE
```

```
Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 6; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                Length 500;
                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6;
                                                                                                                                                           Query Match 9.3%; Score 235.5; DB 6; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1088
                                                                                                                                                                                                                                                                                                            DB 6;
                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM05481 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003045700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABMI5546 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM27200 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068769-A1.
                                                                                                                                                                                                                  ABM11276 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064469-A1.
(3-APR-2003.
(GETH ) GENENTECH INC.
                              Ouery Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1087

ID ABR79936 standard; protein; 500 AA.

DE Human secreted polypeptide PRO541, SEQ ID NO:70.

PD 13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 6 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                            Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LT 1090
AB030589 standard, protein, 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064466-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO30894 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064468-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB (
Pred. No. 3.7e-09)
                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #35.
US2003064453-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM29945 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 24.5%;
RESULT 1092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 24.5%;
RESULT 1093
                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                          Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                          03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1090
27-MAR-2003.
(GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 24.5%;
RESULT 1109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 24.5%;
RESULT 1113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1112
                                                                                                                                                                                                                                                   Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                 Best Local Similarity RESULT 1105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1114
                                                                                                                                                                                                                                       13-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-APR-2003
                                                                                                                                                                                                                                                                                                                                                        10-APR-2003
                                                                                                     17-APR-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 24.5%; Score 235.5; DB 6; Length 500; RESULT 1100
DD Human secreted protein; 500 AA.
DE Human secreted polypeptide PROFA.
PD 10-APR-2007
                                                                                                                                                                    Query Match 9.3%; Score 235.5; DB 6; Length 500;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%; Score 235.5; DB 6; Length 500; 24.5%; Pred. No. 3.7e-09;
                                  Length 500;
                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                        Query Match 9.3%; Score 235.5; DB 6;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 6; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                     Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                               ABMO8531 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068759-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM19575 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104552-A1.
05-JUN-2003.
                                                                                                                                                                                                                  ABO42231 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049748-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 9.3%; Score 235.5; DB 6
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB20182 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003082767-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO49287 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO49592 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049775-A1.
                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane protein (PRO) #35. US2003068765+A1.
                                                                                                                                                                                                                                                                                                                                                      ABO37961 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%;
RESULT 1098
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                     13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AD MED
                                                                                                                                                                                                                                                                                                                                                         BARA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28 E C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AD NED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A B M B B
```

```
Length 500;
                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                      Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1106
ID ABO19586 standard; protein; 500 AA.

NOVel human secreted and transmembrane polypeptide #54.
PD 13-20301949633-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PD 10-APR-2003.

PA (GETH ) GENENTECH INC.

QUENTY MAtch

9.3%; Score 235.5; DB 6;

Best Local Similarity 24.5%; Pred. No. 3.7e-09;

RESULT 1111
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                      Score 235.5; DB 6;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM03292 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068763-A1.
                                                                                                                                                                                                                                                                                                                                     ABR88149 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABM26895 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068739-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 6
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane protein (PRO) #35.
US2003036126-A1.
ADA78434 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003073181-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO49897 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABOSO812 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049780-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein (PRO) #35 US2003068689-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 24.5%; Pred.
RESULT 1110

ID AB039791 standard; protein; 500 AA.
```

```
9.3%; Score 235.5; DB 7; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.3%; Score 235.5; DB 7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                               Length 500;
                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 7; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                           9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABMI0666 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064455-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABN76665 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054465-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABRB6014 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049759-A1.
                                                                                                                                                                                             Query Match

Query Match

Best Local Similarity 24.5%; Pred. No. 3.7e-09;

RESULT 1116

ID ABM17808 standard; protein; 500 AA.

DE Human secreted polypeptide PRO541, SEQ ID NO:70.

PN US200340072-A1.
                                                                                                                                                                                                                                                                                                                                                                      ABR95859 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
0'S2003040073-A1.
27-FEB-2003.
                                                                                                                        ABR77051 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044927-A1.
ABR74572 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044924-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%; Score 235.5; DB 7 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO19962 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003032124-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO24265 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064467-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO21792 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO)
US2003054475-A1.
C20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 24.5%;
RESULT 1121
                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1119
                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 1117
                                                                       Query Match
Best Local Similarity
RESULT 1115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-2003.
                                                                                                                                                                                06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22228
                                                                                                                             2882
```

```
Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                     Length 500;
                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                      Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABMI8965 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104550-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM19270 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104551-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1128
ID AMMO2987 standard; protein; 500 AA.
DE Human secreted polypeptide PRO541, SEQ ID NO:70.
PD 10-ARR-2003.
PA (GETH ) GENENTECH INC.
Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1124
ID ABR89369 standard; protein; 500 AA.
DE Human secreted polypeptide PRO541, SEQ ID NO:70. PD IJ-APR-2003.
                                                                                                                                                             ABMI2496 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073176-A1.
                                                                                                                                                                                                                                                                                             ABM05786 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO48982 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049757-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                         Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #35.
(US2003049761-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #35.
US2003068728-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 24.5%;
RESULT 1131
                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best_Local Similarity
RESULT 1130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1127
                                                                                                                           Best Local Similarity RESULT 1125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 1132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 1129
```

```
Length 500;
                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
   Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                            ABM30555 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064443-A1.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM14326 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068686-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM09751 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073178-A1.
                                                                                                                                                                                                     ABM24455 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003064444-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7, Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABM34641 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104538-A1.
05-UMX-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane protein (PRO) #35.
US200394781-A1.
                                                                                                                                                                                                                                                                                                                                         human secreted/transmembrane protein (PRO) #35.
VS2003066697-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane protein (PRO) #35. US200306910-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO38876 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068774-A1.
   9.3%;
                                                                                                                                                                                                                                                                                           Best Local Similarity 24.5%;
RESULT 1145
ID ABO29369 standard; protein: 5
DE Human socration
                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 24.5%;
RESULT 1146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%;
RESULT 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 24.5%;
RESULT 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 24.5%;
RESULT 1149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 24.5%;
                                                                                                                                               Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                             10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                 GENENTECH INC.
               Best Local Similarity
RESULT 1143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1151
ID ABO51117 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                  03-APR-2003
                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 24.5%; Score 235.5; DB 7; Length 500; RESULT 1142

ID ABM12801 standard; protein; 500 AA.

BEST Local Similarity 24.5%; Pred. No. 3.7e-09;

RESULT 1142

ID ABM12801 standard; protein; 500 AA.

PROTECT NO. 3.7e-09;

PA 'TAPR-2003

PA 'TAPR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 9.3%; Score 235.5; DB 7; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1140
                                                                             Length 500;
                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                         9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                         Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 7;
                                                                                                                                                                                                                                                          ABR77437 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036120-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR80241 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049739-A1.
ABR69025 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003027273-A1.
                                                                                                                              ABR89064 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036119-A1.
                                                                                                                                                                                                                                                                                                                                                                                          ABR74267 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036161-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABMO1462 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003059882-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM02072 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003059884-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO18535 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003044921-A1.
                                                                                                                                                                                                       9.3%;
                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 1136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1138
                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1141
                                                                           Query Match
Best Local Similarity
RESULT 1134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
```

A B B B B B

Length 500;

Score 235.5; DB 7; Pred. No. 3.7e-09;

```
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM08226 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                       Query Match
                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                      Length 500;
                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7;
                                                                                    Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 7;
                                                                                                                                                                                                             DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR89979 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003073177-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM27505 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US200364442-A1.
03-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABR93724 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054457-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABM01767 standard; protein; 500 AA.
Human secreted polypeptide PROS41, SEQ ID NO:70.
US2003059883-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM78190 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049764-A1.
                                                                                                                                                                                                                                                                                                                                                                                    ABR78866 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003054456-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%; Score 235.5; DB 7,
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1160
                                                                                                                                                                                                                                                               ABR77656 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040067-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 7 Pred. No. 3.7e-09;
                                                                                                                                                                                                             Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO23960 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US_2003.954482-A1.
(GETH ) GENENTECH INC.
   RESULT 1152
ID ABO03943 standard; protein; 500 AA.
DE Human secreted/transmembrane protein (PRO) #35.
PD 20-FEB-2003.
                                                                                                                                        ABO10413 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003036151-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%;
RESULT 1159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%;
                                                                                                                                                                                                                                                                                                                                   9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1161
                                                                                        Query Match
Best Local Similarity
RESULT 1153
                                                                                                                                                                                                                      Best Local Similarity RESULT 1154
                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 1155
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                     27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAR-2003.
                                                                                                                                                                                              20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                                                                                                                                                                                  SEE
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                               7:
                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM20185 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003104556-A1.
Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1162
ID ABM13106 standard; protein; 500 AA.
DE Human secreted polypeptide PRO541, SEQ ID NO:70.
PN US2003064450-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted polypeptide PRO541, SEQ ID NO:70. US2003096351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABM33726 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003096358-A1.
                                                                                                                                                                                                                                                                                                                          ABM14021 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068683-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 7 24.5%; Pred. No. 3.7e-09;
                                                                                                                                      9.3%; Score 235.5; DB 7 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                               Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO48677 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049756-A1.
                                                                                                                                                                                         ABOJ1809 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068731-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABOUNDS Standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35
US200306681-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 24.5%;
RESULT 1166
ID AB040096 standard; protein: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 24.5%;
RESULT 1169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 24.5%;
RESULT 1168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                             10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                          03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1170
                                                                                                                                                     Best_Local Similarity
RESULT 1163
                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1164
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7; Length 500;
  9.3%; Score 235.5; DB 7; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                      Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted polypeptide PRO541, SEQ ID NO:70.
                                                                      ABM30250 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068723-A1.
                                                                                                                                                                                                                                                                          ABM21710 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068741-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM21405 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068744-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM14936 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABM33421 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003096357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1187
DD AB037351 standard; protein; 500 AA.
DE Human secreted/transmembrane protein (PRO) #35.
PN US2003068726-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO41011 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068694-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO36741 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003068715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%; Score 235.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 24.5%;
RESULT 1184
                                                                                                                                                                                                 Match 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                  Best Local Similarity
RESULT 1181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003
                                                                                                                                                    10-APR-2003
                                                                                                                                                                                                                                                                                                                                                           10-APR-2003
                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
       Query Match
                                                                                                                          Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%; Score 235.5; DB 7; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1180
                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 7; Length 500;
24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                        9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                       ABR72742 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003036122-Al.
20-FBE-2003.
                                                                                                                                                                                                                                                                                                                                                                                                  ABR85099 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003040065-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABM17503 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003044928-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR85404 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003049746-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABM22930 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068757-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABM76970 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US203054464-A1.
20-MAR-2003.
                                                                                                                                                                                              ABO15384 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003036121-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO15079 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003044919-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane protein (PRO) #35.
US2003040077-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO20149 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003064459-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO17214 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 24.5%;
RESULT 1178
                                                                                                                                                                                                                                                                       20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               deed pour service of the service of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ...4/tr
...4R-2003.
...ery Match
Best Local Similarity ...
RESULT 1175
ID ABO17214 stan.<sup>2</sup>
DE Human ser.<sup>2</sup>
PN US20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1176
ID ABM17503 standard; pr
DB Human secreted polype
PN US2003044928-A1.
PD 06-MAR-2003.
                                                                                                                     Query Match
Best Local Similarity
RESULT 1172
                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
RESULT 1171
                                                                                                                                                                                                                                                                                                                                                                                                     D N D D
                                                                                                                                                                                                      28 28 C 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2882
```

```
Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                  Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1191
                                                                                                                                                                                                                                                               Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                                                                                                                                                         9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM32385 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM31470 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068761-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                            ABM31165 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068762-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABM32080 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068708-A1.
                                                                                                                                                                                                                                                                                                                      ABM31775 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068680-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 9.3%; Score 235.5; DB 7
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB85813 standard; protein; 500 AA. Human secreted/transmembrane protein (PRO) #35. US2003054472-A1.
 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                             ADA82505 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003049755-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB73869 standard, protein, 500 AA.
Human PRO polypeptide #54.
US2003045462-Al.
                                   ABO46176 standard; protein; 500 AA.
Human PRO polypeptide #35.
US2003049760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 24.5%;
RESULT 1198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%;
                                                                                                                                                                                                                                                               Best Local Similarity 24.5%;
RESULT 1192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                 13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                          13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1199
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1195
Best Local Similarity
RESULT 1190
ID ABO46176 standard:
                                                                                                                                                                                                                                                                                                                                                                            10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PER
```

```
Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                      Query Match 9.3%; Score 235.5; DB 7; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                         Length 500;
                                                                                                                                                                                                                                    Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                         Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7;
                                                                                                                                                                                                                                      Score 235.5; DB 7;
Pred. No. 3.7e-09;
ABM30860 standard; protein; 500 AA.
Human secreted polypeptide PRO541, SEQ ID NO:70.
US2003068771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 7
Pred. No. 3.7e-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC68084 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003069178-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADGE3019 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003068648-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane protein, PRO541.
US2003064407-A1.
                                                                                                                                                                                                                                                                                            ADC44011 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003054986-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Arcel771 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003049684-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC63735 standard; protein; 500 AA.
Human secreted/transmembrane protein, PROS41.
20003054409-A1.
20-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC66835 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003060406-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC68959 standard; protein; 500 AA.
                                                                                                                                             ADB76585 standard; protein; 500 AA.
Human PRO polypeptide #54.
US2003083248-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC41404 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003005...
10-AFR-2003.
(GETH ) GENENTECH INC.
9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 24.5%; RESULT 1207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 24.5%;
RESULT 1204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                        9.3%;
24.5%;
                                                                                       Query Match
Best Local Similarity 24.5%;
RESULT 1200
ID ADB76585 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                   20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                           10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1208
                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                            Query Match
```

```
US2003194781-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                        Length 500;
                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                            Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match 9.3%; Score 235.5; DB 7; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1214
                                                                                                                                                                                                                        DB 7;
                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 7; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                        Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                        Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9.3%; Score 235.5; DB 7 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD05543 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003087376-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 24.5%; Pred. No. 3.7e-(RESULT 1215

ID ADE16565 standard; protein; 500 AA.

DE Human secreted/transmembrane protein, PRO541.

PD 30-0-0-20.
                                                                                                                                                                                                                                                             Human secreted/transmembrane protein, PRO541.
17220131624-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                             ADC42028 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003104998-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE49397 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003096744-A1.
Human secreted/transmembrane protein, PRO541.
US2003072745-A1.
                                                                                                                          ADC67459 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003073131-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE35451 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003203434-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD73180 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003203436-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD72538 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
                                                                                                                                                                                                                                                                                          Lembrant

Lory Match
Best Local Similarity 24.5%; Pre-
RESULT 12.1

ID ADC42028 standard; pre-
DE Human secreted/tr-
PN US20031049°-
PA 05-JIM'
                                                                                                                                                                                                              Query Match
Best Local Similarity 24.5%; Pr
RESULT 1210
D ADG62395 standard; protein; 500
DE Human secreted/transmembrane pr
PN US2003073624-A1.
PD 17-APR-2003.
PA (GETH ) GENENTECH INC.
                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 24.5%;
RESULT 1216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 24.5%;
RESULT 1217
ID ADD7538 standard; protein;
DE Human secreted/transmenbrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                          J.4-A1.
2003.
2.4 ) GENENTECH IN J.T.Y MATCH
Best Local Similarity 2
RESULT 1212
ID ADD05543 standa-
DE Human secretion US2030°
PD 08-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-OCT-2003.
(GETH ) GENENTECH INC.
                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                   17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                      Query Match
Best Local Similarity
RESULT 1209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

```
Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                        7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match 9.3%; Score 235.5; DB 7; Length 500; Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 7; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 235.5; DB 7; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                              ADG02538 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003207397-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   74 ADG01245 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003207399-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADP95420 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003207398-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG12235 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003207392-A1.
                                                                                                                                                                                              7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                              Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                      ADE17189 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003203433-A1.
GOCT-2003.
(GETH.) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG52960 standard; protein; 500 AA.
Human secreted/transmembrane protein, PROS41.
US2003216561-A1.
                                                                                                                                                                                                                                                  ADF47203 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003195333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG60280 standard; protein; 500 AA.
Human secreted/transmembrane protein, PROS41.
22032026915-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH08895 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 24.5%; Pr
RESULT 1221
ID ADG01245 standard; protein; 506
DE Novel human secreted and transm
PN W32003207399-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
                                    9.3%;
                                                                                                                                                                                            9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 24.5%;
RESULT 1225
                                                                                                                                                                                                                                                                                                                                                      Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match: 9.3%;
Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #35.
US2003207395-A1.
16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                               16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003.
(GETH:) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                 Best Local Similarity RESULT 1218
                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                 DB 7; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 8; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
        Query Match 9.3%; Score 235.5; DB 7; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1227
                                                                                                                       DB 7; Length 500;
                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                     ADM30210 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003073813-A1.
                                                                                                                                                               AD132676 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003207396-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9.3%; Score 235.5; DB 8; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                   Score 235.5; DB 7;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1230
DE Human secreted/transmembrane protein, PRO541.
PN US2003104536.Al.
PD 65-JUN-2003.
PRO541 ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE74819 standard; protein; 500 AA.
ADE74819 standard; protein; 500 AA.
US2003211574-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADE74207 standard; protein; 500 AA.
Human secreted/transmembrane protein (PRO) #35.
US2003211572-A1.
                                                                                                                         Score 235.5; DB 7
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JT 1233
ADE89798 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003130181-A1.
                                                     ADIG1040 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003077700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.3%;
                                                                                                                         9.3%;
                                                                                                                                                                                                                                 Best Local Similarity 24.5%;
RESULT 1229
                                                                                                                                                                                                                                                                                                                                                                                                                                      05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GERRITSEN M E.
                                                                                                                                                                                                           06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ASHKENAZI A J.
                                                                                               24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                             17-APR-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GODOWSKI P J. GIRMALDI J C.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EATON D L.
FERRARA N.
FILVAROFF E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BOTSTEIN D.
DESNOYERS L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KLJAVIN I J.
                                                                                                                                   Best Local Similarity RESULT 1228
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KUO S S.
NAPIER M A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BAKER K P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-NOV-2003.
                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (KLJA/)
(KUOS/)
(NAPI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BAKE/)
(BOTS/)
(DESN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ASHK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (EATO/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FONG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GAOM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GERB/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DE
PN
```

```
Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 8; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 9.3%; Score 235.5; DB 8; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                       Length 500;
                                                                                                                          Length 500;
                                                                                                                                                                                                                                                         Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                    Query Match 9.3%; Score 235.5; DB 8; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                            9.3%; Score 235.5; DB 8; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                       Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 235.5; DB 8 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 235.5; DB 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADF40754 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003199021-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADP33681 standard, protein, 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003194780-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF27148 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003199436-A1.
                                                                                                                                     Best Local Similarity 24.5%; Pred. No. 3.7e-0
RESULT 1234
ID ADF61438 standard; protein; 500 AA.
DE Human secreted/transmembrane protein, PRO541.
                                                                                                                                                                                                                                                                                                         ADP40130 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003198994-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADF45926 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003195148-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane protein, PRO541.
US2003204055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADF24322 standard; protein; 500 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-0CT-2003.
(GETH ) GENENTECH INC.
9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 24.5%;
RESULT 1237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                            23-OCT-2003. (GETH') GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                               16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                              TUMAS D.
WILLIAMS P M.
WOOD W I.
PAN J.
PAONI N F.
ROY M A.
SHELTON D L.
STEWART T A.
                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouerv Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                 Match
                                                                                                                                                                                                                                                            Query Match
                                                                (STEW/) (TUMA/) (WILL/) (WOOD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH )
```

```
Best Local Similarity 24.5%; Score 235.5; DB 8; Length 500; BBSt Local Similarity 24.5%; Pred. No. 3.7e-09; ID ADP26524 standard; protein; 500 AA. DE Human secreted/transmembrane protein, PRO541. PN US2003199674-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1245
BEST Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1245
BEST RESUL
                                                                                                                                                                                                                                                                                                                                                                                       9.3%; Score 235.5; DB 8; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vuery Match
9.3%; Score 235.5; DB 8; Length 500;
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 235.5; DB 8; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8; Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG04303 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003215912-A1.
CONV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF9632 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2003215909-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9.3%; Score 235.5; DB 8; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                      24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%; Score 235.5; DB 8 Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 235.5; DB 8
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 8 Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF41378 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003199435-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF33057 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003211091-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF34113 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003194410-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADF46550 standard; protein; 500 AA.
Human secreted/transmembrane protein, PROS41.
US2003195344-A1.
                                                                                                                                                                                                                  ADF27784 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 24.5%;
RESULT 1249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1251
Best Local Similarity 2
RESULT 1242
ID ADP27784 standar DE Human secret
PN US20031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DE LO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A B B B B
```

```
Query Match 9.3%; Score 235.5; DB 8; Length 500; Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 235.5; DB 8; Length 500; Pred. No. 3.7e-09;
                                                                                           8; Length 500;
                                                                                                                                                                                                                                              Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 500;
ADG00463 standard, protein; 500 AA.
Novel human secreted and transmembrane protein PRO541
US2003215911-A1.
                                                                                                                                                                                                                        Query Match

9.3%; Score 235.5; DB 8; Leng
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1253

ID ADH26000 standard; protein; 500 AA.

DE Novel human secreted and transmembrane protein PRO541.

PD 10-2003068770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                 PD 20-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match 9.3%; Score 235.5; DB 8.
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 9.3%; Score 235.5; DB 8
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG51784 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003215908-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 24.5%; Pred. No. 3.7e-0 RESULT 1258

ID ADG49288 standard; protein; 500 AA.
DE Human secreted/transmembrane protein, PRO541.
PN US2003216305-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG50536 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003207803-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG49912 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003215905-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG48664 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2003216560-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #35.
102003068768-A1.
                                                                                                                                          ADG51160 standard; protein; 500 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 24.5%;
RESULT 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 9.3%;
Best Local Similarity 24.5%;
                                                                                                                                                                                                       20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1257
ID ADH32969 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
```

```
VERMET C.
FERNANDES E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SHIMKETS R.
HERRMANN J.
MAJUMDER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MEZE/) MEZES P S. (RAST/) RASTELLI L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1273
                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                        26-JUL-2001.
(HYSE-) HYSEQ INC.
US2004048335-A1.
11-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SHIM/)
(HERR/)
(MAJU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MACD/)
                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (VERM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FERN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
RESULT 1275
                                                                                                                                                                                                                                                                                                                                                                                         ADH25585 standard; protein; 500 AA.
Human neurotrimin homologue related protein sequence SEQ ID NO:363.
EP1386931-A1.
                                                                                                                                                                                                                                                                                                                                                                              vuery Match

Best Local Similarity 24.5%; Score 235.5; DB 8; Length 500;

REGULT 1264

ID ADD54708 standard; protein; 500 AA.

PB Human PRO polypeptide #35.

PD 05-PEB-200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 235.5; DB 8; Length 500;
Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 500;
                                                                      9.3%; Score 235.5; DB 8; Length 500; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                        Length 500;
                                                                                                                                                                                                                                                                                                                                           Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADM40227 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM31375 standard; protein; 500 AA.

Novel human secreted and transmembrane protein PRO541.
US200404834-A1.

IL-WAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM36422 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2004053338-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 8;
Pred. No. 3.7e-09;
                                                                                                                                                                                                          9.3%; Score 235.5; DB 8; 24.5%; Pred. No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                              DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 9.3%; Score 235.5; DB 8 Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 9.3%; Score 235.5; DB Best Local Similarity 24.5%; Pred. No. 3.7e-09; RESULT 1266
                                                                                                                                                                                                                                                                                                                                              Score 235.5; DB 8 Pred: No. 3.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM17362 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2004048332-A1.
                                                                                                                                                                                                                                                        ADG62560 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2004006219-A1.
                                                                                                                         ADGS9104 standard; protein; 500 AA.
Human secreted/transmembrane protein, PRO541.
US2004005657-A1.
(GETH ) GENENTECH INC.
       Human secreted/transmembrane protein, PRO541.
US2004005312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADJ6479 standard; protein; 500 AA. Human PRO polypeptide #35. US2004038337-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beet Local Similarity 24.5%;
RESULT 1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 24.5%;
RESULT 1263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-FEB-2004. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                GENENTECH INC.
                                            08-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1267
                                                                          Query Match
Best Local Similarity
RESULT 1261
                                                                                                                                                                                                                          Best Local Similarity RESULT 1262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-MAR-2004
                                                                                                                                                                                                                                                                                                                08-JAN-2004
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                 Query Match
```

```
02-AUG-2001.
(IHDMAN GENOME SCI INC.
Query Match
9.2%; Score 233.5; DB 4; Length 277;
Guery Match
Best Local Similarity 31.6%; Pred. No. 2.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (INCY-) INCYTE GENOMICS INC.

IN Match

1.3%; Score 234.5; DB 6; Length 500;

t Local Similarity 23.8%; Pred. No. 4.4e-09;
        Score 235.5; DB 8; Length 500; Pred. No. 3.7e-09;
                                                                                                                                                                 Length 500;
                                                                                                                                                                                                                                                                                                                             Length 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 522;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAEO9633 standard; protein; 277 AA.
Human gene 1 encoded novel protein HTPGQ16, SEQ ID NO:17.
WO200155310-A2.
                                                                                                                                                                                                                                -ADN37835 standard; protein; 500 AA.
Novel human secreted and transmembrane protein PRO541.
US2004091959-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABUI0131 standard; protein; 277 AA.
Human serine protease inhibitor related protein #1.
US2003044905-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.2%; Score 233.5; DB 6;
31.6%; Pred. No. 2.7e-09;
                                                                                                                                                                                                                                                                                                                               DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 235.5; DB 4;
Pred. No. 3.9e-09;
                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 234; DB 7;
Pred. No. 2.7e-09;
                                                                                                                                                                                                                                                                                                                           Score 235.5; DB 8 Pred. No. 3.7e-09;
                                                                                                                                                         vuery match 9.3%; Score 235.5; DB 8
Best Local Similarity 24.5%; Pred. No. 3.7e-09;
RESULT 1271
                                                     Human secreted/transmembrane protein, PROS41.
US2004063921-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LT 1273
ABRS/975 standard, protein; 500 AA.
Human secreted protein SECP-70 SEQ ID NO:70.
WO2003016506-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU20491 standard; protein; 268 AA.
Human secreted protein, Seq ID No 483.
WO200155326-A2.
                                                                                                                                                                                                                                                                                                                                                                             Human polypeptide SEQ ID NO 6624. WO20015312-A1. 26-JHL-20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB32041 standard; protein; 300 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAR-2003.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.3%;
                                                                                                                                                                                                                                                                                                                               Query Match 9.3%;
Best Local Similarity 24.5%;
RESULT 1272
                9.38;
                                   24.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human FCTR7 polypeptide
US2003087816-A1.
                                                                                                                                                                                                                                                                                              13-MAY-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MACDOUGALL J.
MISHRA V.
MEZES P S.
                                                                                                                                         01-APR-2004.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
```

```
ADF74788 standard; protein; 243 AA.
Human NOVX protein to treat human pathological conditions (SegID 2).
WO2003076578-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8.8%; Score 222.5; DB 4; Length 257; 27.9%; Pred. No. 1.6e-08;
            A (ASAH-) ASAHI KASEI PHARMA CORP.
Query Match
9.1%; Score 231; DB 8; Length 266;
Best Local Similarity 32.4%; Pred. No. 3.9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ID AAB43408 standard, protein; 302 AA.

DB Human cancer associated protein sequence SEQ ID NO:853.

PN W0200055350-A1.

PD 21-SEP-2000.

PA (HUMA-) HUMAN GENOME SCI INC.

Query Match

8.7%; Score 220; DB 3; Length 302;

Best Local Similarity 31.8%; Pred. No. 3e-08;
                                                                                                                                                                                                                  vuery Match
Best Local Similarity 32.4%; Pred. No. 3.9e-09;
RESULT 1288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 8.7%; Score 221; DB 7; Length 243; Best Local Similarity 28.1%; Pred. No. 2e-08; RESULT 1292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 8.7%; Score 221; DB 8; Length 243; Best Local Similarity 28.1%; Pred. No. 2e-08; RESULT 1293
                                                                                                                                                                                                                                                                                                                                                                                                                             Length 236;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE94207 standard; protein; 243 AA.

Human cysteine-rich secretory protein 2 SEQ ID NO:4.
W02003100025-A2.

(MINU ) UNIV MINNESOTA.
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 8.9%; Score 225; DB 7;
Best Local Similarity 34.5%; Pred. No. 9.7e-09;
RESULT 1289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 8.8%; Score 223; DB 7;
Best Local Similarity 28.6%; Pred. No. 1.4e-08;
RESULT 1290
                                                                                                         ADP54490 standard; protein; 266 AA.
Human PRO protein sequence SEQ ID NO:466.
May 20040139956-A2.
May 2004.
GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG06656 standard; protein; 257 AA.
Novel human diagnostic protein #6647.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD13128 standard; protein; 243 AA. Human TPX1 protein SEQ ID 41. W02003076631-A2. 18-SEP-2003. (SAHI/) SAHIN U. (TUER/) TUERECI O. (KOSL/) KOSLOWSKI M.
                                                                                                                                                                                                                                                                                                        ADE86027 standard; protein; 236 AA.
Mouse sperm polypeptide CRISPY.
WO2003087151-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE13072 standard, protein, 243 AA. Homo sapiens (Hs)-Tpx protein. WO200174385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NYBL-) NEW YORK BLOOD CENT INC.
(UYCA-) UNIV CASE WESTERN RESERVE.
(UABR-) UAB RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-SEP-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (HAMI/) HAMILTON D W.
(ROBE/) ROBERTS K P.
(ENSR/) ENSRUD K M.
                                                                                                                                                                                                                                                                                                                                                                            23-OCT-2003.
(MONU ) UNIV MONASH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-OCT-2001.
(HYSE-) HYSEQ INC.
    15-JUL-2004
                                                                                                                                                                                                                                                                                                AAB64952 standard; protein; 181 AA.
Gene 12 human secreted protein homologous amino acid sequence #130.
WO200076530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PD 10-JUN-2004.

PA (PROT-) PROTEIN DESIGN LABS INC.

Query Match

Best Local Similarity 32.4%; Pred. No. 3.9e-09;

RESULT 1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vuery Match 9.2%; Score 232; DB 7; Length 219; Beet Local Similarity 32.4%; Pred. No. 2.7e-09; RESULT 1282
                                         Query Match 9.2%; Score 233; DB 4; Length 268; Beet Local Similarity 34.2%; Pred. No. 2.8e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 9.2%; Score 232; DB 4; Length 181; 32.4%; Pred. No. 2.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.2%; Score 232; DB 3; Length 219; 32.4%; Pred. No. 2.7e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match 9.1%; Score 231; DB 8; Length 266; Local Similarity 32.4%; Pred. No. 3.9e-09;
                                                                                                                                                                                                                                   9.2%; Score 233; DB 4; Length 300; 34.2%; Pred. No. 3.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 266;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 266;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ17660 standard; protein; 266 AA.
Human soft tissue sarcoma-upregulated protein - SEQ ID 477
WO2004048938-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH54571 standard; protein; 219 AA.
Human LRF-1 related protein from clone HTEIX55R
US2003162956-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 9.1%; Score 231; DB 8; Local Similarity 32.4%; Pred. No. 3.9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.1%; Score 231; DB 8; 32.4%; Pred. No. 3.9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADP12924 standard; protein; 266 AA.
Protein encoding referenece mRNA sequence #9.
21-MAY-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ96006 standard; protein; 266 AA.
T cell activation associated protein #92.
202004058805-A2.
15-UUL-2004.
(ASAH-) ASAHI KASEI PHARMA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T cell activation associated protein #91.
WO2004058805-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ95960 standard; protein; 266 AA.
T cell activation associated protein #69.
WO2004058805-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB01400 standard; protein; 219 AA. Neuron-associated protein. WOZ00014477-A2. IS-JUN-2000 (INCY-) INCYTE PHARM INC.
                                                                                                         AAM39907 standard; protein; 300 AA.
Human polypeptide SEQ ID NO 3052.
WO200153312-A1.
26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (EXPR-) EXPRESSION DIAGNOSTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ96004 standard; protein; 266 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUL-2004.
(ASAH-) ASAHI KASEI PHARMA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-AUG-2003.
(HUMA-) HUMAN GENOME SCI INC.
Query Match 9.2%;
02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                       21-DEC-2000.
(HUMA-) HUMAN GENOME SCI INC.
(ROSE/) ROSEN C A.
                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

RESULT 1283

```
(MERR/) MERRILEES M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AD031200 standard; protein; 1257 AA.
AD031200 standard; protein; 1257 AA.
Rat neurocan protein for glucosaminoglycan reduction in glial scars.
WO2004041197-A2.
21-MAY-2004.
(UYCA-) UNIV CASE WESTERN RESERVE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 243;
                                                                                                                                                                                                                                                                                                                                                                    Length 249;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / Match 8.4%; Score 212.5; DB 8; Length 453; Local Similarity 23.4%; Pred. No. 1.7e;07;
                                                                                                                                                      Length 1257;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 8.4%; Score 212; DB 8; Length 1257; Local Similarity 24.8%; Pred. No. 6e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.3%; Score 209; DB 8; Length 244; 25.7%; Pred. No. 1.6e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 656;
  Score 219; DB 4; Length 243; Pred. No. 2.8e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse cysteine-rich secretory protein 1 SEQ ID NO:3.
Mouse cysteine-rich secretory protein 1 SEQ ID NO:3.
MOLOS COSTOROS-A2.
(MINU ) UNIV MINNESOTA.
(HAMILY) HAMILTON D W.
(ROBE/) ROBERTS K P.
(ENSR/) ENSRUD K M.
                                                                                                                                                                                                               ADE94304 standard; protein; 249 AA.
Human cysteine-rich secretory protein 1 SBQ ID NO:1.
WO2003100025-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                        ADH71214 standard; protein; 453 AA.
Human protein of the invention NOV60 SEQ ID NO:110.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE94308 standard; protein; 243 AA.
Rat cysteine-rich secretory protein 2 SEQ ID NO:5.
WO2003100025-A2.
                                                                                                                                                                                                                                                                                                                                                                    Score 213.5; DB 8;
Pred. No. 7.5e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8.2%; Score 207.5; DB 8; 25.9%; Pred. No. 2.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 209; DB 7;
Pred. No. 4.9e-07;
                                                                                                                                                      Score 214; DB 2;
Pred. No. 4.3e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAM52242 standard; protein; 655 AA.
Human versican isoform V3 SEQ ID NO 2.
WO200179284-A2.
25-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD48595 standard; protein; 656 AA.
Rat Protein AF072892, SEQ ID NO 14301.
WO2003016475-A2.
                                                            AAR46627 standard; protein; 1257 AA
Query Match
Best Local Similarity 27.7%; Pi
RESULT 1295
ID AAR46627 standard; protein; 125
DE Neurocan core protein.
PN W09403601-A2.
PD 17-FEB-1994.
PA (UYNY) UNIV NEW YORK STATE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8.3%;
                                                                                                          MOJECULE 1994.
17-FEB-1994.
(UYNY ) UNIV NEW YORK STATE.
LETY MATCh 8.5%;
                                                                                                                                                                                                                                                                                                                                                                        8.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-DEC-2003.
(MINU) UNLY MINNESOTA.
(HAMI/) HAMILTON D W.
(ROBE/) ROBERTS K P.
(ENSR/) ENSRUD K M.
                                                                                                                                                                                                                                                                       04-DEC-2003.
(MINU) UNIV MINNESOTA.
(HAMI/) HAMILLON D W.
(ROBE/) ROBERTS K P.
(ENSR/) ENSRUD K M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
SULT 1297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1300
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT
```

```
Human myocardial infarction-associated gene derived protein, SEQ ID 1174. 15-JUL-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AD031196 standard; protein; 1321 AA.
Human neurocan protein for glucosaminoglycan reduction in glial scars.
                                                                                                                                                                                                                                                                                                                                                                                ADJ69615 standard; protein; 1321 AA.
Human heat mitochondrial protein as a therapeutic target SeqID1421.
WO2001087768-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADN38944 standard; protein; 1321 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:262.
WO2003042661-A2.
                                                                                                                                                                                                                              ABP97200 standard, protein; 1321 AA.
Tumour-associated antigenic target protein TAT185 SEQ ID NO:82.
WO2003024392-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 453;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 453;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 453;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1321;
                                                                                                                                                                                                                                                                                                                                        Length 1321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1321
  Length 655;
                                                                                                                                                                   Length 655;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AUF/1216 standard; protein; 453 AA.

Human protein of the invention NOV6p SEQ ID NO:112.
WO2003102155-A2.
11-DEC-2003.
CURA-D. CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH71212 standard; protein; 453 AA.
Human protein of the invention NOV6n SEQ ID NO:108.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH71186 standard; protein; 453 AA.
Human protein of the invention NOV6a SEQ ID NO:82.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH71188 standard, protein; 457 AA.
Human protein of the invention NOV6b SEQ ID NO:84.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 23.1%; Pred. No. 2.08 8; RESULT 1309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 204.5; DB 8, Pred. No. 6.9e-07;
                                                                                                                                                                                                                                                                                                                  Best Local Similarity 21.3%; Score 205; DB 6; RESULT 1305
DE Human hearth, protein: 1321 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PD 22-MAY-2003.

PA (EOSB-) EOS BIOTECHNOLOGY INC.

Query Match

B.1%; Score 205; DB 7;

Query Match

BEST Local Similarity 21.3%; Pred. No. 2.1e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PA (MITO-) MITOKOR.

PA (BUCK-) BUCK INST AGE RES.

Query Match

B.1%; Score 205; DB 7;

Query Match

BEST Local Similarity 21.3%; Pred. No. 2.1e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 8.1%; Score 204.5; DB 8
Best Local Similarity 23.1%; Pred. No. 6.9e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.1%; Score 205; DB 8; 21.3%; Pred. No. 2.1e-06;
8.1%; Score 205; DB 5; 27.1%; Pred. No. 9.7e-07;
                                                                                                                                                                 8.1%; Score 205; DB 8; 27.1%; Pred. No. 9.7e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-MAY-2004.
(UYCA-) UNIV CASE WESTERN RESERVE.
                                                               ADQ39511 standard; protein; 655 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 23.1%;
RESULT 1311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                   (APPL-) APPLERA CORP.
                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 1304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1308
Query Match
Best Local Similarity
RESULT 1303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2004041197-A2.
                                                                                                                                                                                                                                                                                                       27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
ADQ39509 standard; protein; 3396 AA.
              Best Local Similarity 26.8%;
RESULT 1321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-OCT-2003.
(MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-MAR-2004.
(GENO-) GENOX RES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-2004.
(APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JUL-2004.
(APPL-) APPLERA CORP.
    (APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                              Versican.
WO9108230-A.
                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
    PA (APPL-) /
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ39513 standard; protein; 1642 AA.
Human myocardial infarction-associated gene derived protein, SEQ ID 1176.
WO2004058052-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADQ39515 standard; protein; 1642 AA.
Muman myocardial infarction-associated gene derived protein, SBQ ID 1178.
WO2004058052-A2.
15-JUL-2004.
      Query Match 8.1%; Score 204.5; DB 8; Length 457; Best Local Similarity 22.6%; Pred. No. 7e-07; RESULT 1312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.8%; Score 196.5; DB 4; Length 380; 32.2%; Pred. No. 2.3e-06;
                                                                                                                                                                                            Score 203.5; DB 8; Length 453; Pred. No. 8.3e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7.8%; Score 196.5; DB 8; Length 453; 22.8%; Pred. No. 2.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 2397;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1642;
                                                                                                                                                                                                                                                                                                                                                  Length 452;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 741;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 31;
                                                                                                                                                                                                                                льмвэч41 standard; protein; 452 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:5290.
W02004033973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                      ADJ76266 standard; protein; 2197 AA.
Marker gene related amino acid sequence SEQ ID NO:1518.
EP1394274-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB43485 standard; protein; 741 AA.
Human cancer associated protein sequence SEQ ID NO:930.
WO200055350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABBJES6 standard; protein; 380 AA.
Absobila melanogaster polypeptide SEQ ID NO 41760.
WO200171042-A2.
                                                                                      ADHILLO standard; protein; 453 AA.

Human protein of the invention NOV6m SEQ ID NO:106.
WO2003102155-A2.

11-DEC-2003.

(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH71208 standard; protein; 453 AA.
Human protein of the invention NOV61 SEQ ID NO:104
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.9%; Score 199; DB 6; 1
100.0%; Pred. No. 8.7e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 7.9%; Score 200; DB 8; Best Local Similarity 27.0%; Fred. No. 9.9e-06; RESULT 1315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.8%; Score 196; DB 3; 26.8%; Pred. No. 5.2e-06;
                                                                                                                                                                                                                                                                                                                                                  DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.8%; Score 196; DB 8; 26.8%; Pred. No. 1.3e-05;
                                                                                                                                                                                                                                                                                                                                                8.0%; Score 203; DB 8 23.1%; Pred. No. 9e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABP96842 standard; peptide; 31 AA.
Human PREGF peptide 231-261.
CN1366046-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (HUMA-) HUMAN GENOME SCI INC.
Query Match 7.8%;
                                                                                                                                                                                            8.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-MAR-2004.
(GENO-) GENOX RES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (APPL-) APPLERA CORP.
                                                                                                                                                                                                        Best Local Similarity RESULT 1313
                                                                                                                                                                                                                                                                                                                              (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1320
                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-AUG-2002.
(UYFU-) UNIV FUDAN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-SEP-2001.
(PEKE ) PE CORP NY.
11-DEC-2003
(CURA-) CUR
                                                                                                                                                                                                                                                                                                          25-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-JUL-2004
                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1314
```

```
ADQ39514 standard; protein; 2409 AA.
Human myocardial infarction-associated gene derived protein, SEQ ID 1177.
WO2004058052-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human myocardial infarction-associated gene derived protein, SEQ ID 1175.
WO2004058052-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADJ70171 standard; protein; 3024 AA.
Human heat mitochondrial protein as a therapeutic target SeqID1977.
WO2003087768-A2.
                                                                                                                                                                                                          Match 7.8%; Score 196; DB 2; Length 2409; Local Similarity 26.8%; Pred. No. 2e-05;
Length 1642;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 3024;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 3396;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 3396;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 7.8%; Score 196; DB 8; Length 3396; Best Local Similarity 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                     Length 2409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 2409
                                                                                                                                                                                                                                            Breast cancer associated protein; 2409 AA.
WO2003004989-A2.
16-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         مار المارية standard; protein; 3396 AA.
Marker gene related amino acid sequence SEQ ID NO:773.
EP1394274-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 196; DB 7;
Pred. No. 2.6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADN95526 standard; protein; 3396 AA.
Human BEC/LEC-related protein sequence SeqID449.
WO2003080640-A1.
Score 196; DB 8;
Pred. No. 1.3e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 196; DB 8;
Pred. No. 2e-05;
                                                                                                                                                                                                                                                                                                                                                                          PA (MILL-) MILLENIUM PHARM INC.
Query Match
1.8%; Score 196; DB 6;
Best Local Similarity 26.8%; Pred. No. 2e-05;
RESULT 1323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 196; DB 8;
Pred. No. 2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.8%; Score 196; DB 7; 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 7.8%; Score 196; DB 7; Local Similarity 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD48597 standard; protein; 3396 AA.
Human Protein P13611, SEQ ID NO 14303.
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 26.8%; Pred. N
RESULT 1234
ID AQ39512 standard; protein; 2409 AA.
                                                                    AAR12609 standard; protein; 2409 AA.
                                                                                                                                        13-JUN-1991.
(LJOL-) LA JOLLA CANCER RES FOUND.
(LJOL-) LA JOLLA CANCER RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-OCT-2003.
(LUDW-) LUDWIG INST CANCER RES.
(LICN ) LICENTIA LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.8%;
```

```
Human myocardial infarction-associated gene derived protein, SEQ ID 1172. W02004058052-A2. 15-JUL-2004. (APPL-2004. (APPL-) APPLERA CORP.
                                                                                                                         ADQ39510 standard; protein; 3396 AA.
Human myocardial infarction-associated gene derived protein, SEQ ID 1173.
WO2004058052-A2.
                                                                                                                                                                                                                                                                   ADR9164 standard; protein; 3396 AA.
Chondroitin sulfate proteoglycan 2 (versican), CSPG2, SEQ ID 170.
WO2004078035-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1455;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.7%; Score 193.5; DB 5; Length 203; 31.3%; Pred. No. 1.9e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 161;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Length 412;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 279;
                                                                                                                                                                                                                                                                                                                                                                  Length 3396;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 185; DB 5; Length 253;
Pred. No. 1e-05;
                                                                                                                                                                                                                  Length 3396;
                                                                            Length 3396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB23824 standard; protein; 1455 AA.
Murine macrophage mannose receptor protein SEQ ID NO:5.
US6117977-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABP811196 standard; protein; 161 AA.
Arabidopsis thaliana protein #24 modulated by PTGS.
W0200281695-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 7.5%; Score 189.5; DB 2; Best Local Similarity 23.3%; Pred. No. 3.4e-05; RESULT 1336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A (SYCN ) SYNGENTA PARTICIPATIONS AG.
A (FRIE-) FRIEDRICH MIESCHER INST.
7.3%; Score 185.5; DB 6;
Best Local Similarity 30.2%; Pred. No. 5.7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH54566 standard; protein; 279 AA.
Human leukocyte regulatory factor (LRF)-1 protein
US2003162956-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.5%; Score 190.5; DB 7; 28.6%; Pred. No. 4.5e-06;
                                                                          7.8%; Score 196; DB 8; 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                      7.8%; Score 196; DB 8; 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                                                                                                                                                                7.8%; Score 196; DB 8; 26.8%; Pred. No. 2.9e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.7%; Score 194.5; DB 4
35.0%; Pred. No. 3.5e-06;
                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 26.8%; Pred. No RESULT 1332
ID ABG08950 standard; protein; 412 AA.
DE Novel human diagnostic protein #8941.
PN W0200175667-A2.
PD 11-0CT-2001.
PA (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human polypeptide SEQ ID NO 1155. WO200270539-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAM48742 standard; protein; 203 AA.
Maize PR1-C10 SEQ ID NO 2.
US2001049834-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-AUG-2003.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.3%; 27.9%;
                                                                                                                                                                                                                                                                                                                                                 (FARB ) BAYER PHARM CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12-SEP-2000.
(GETH ) GENENTECH INC.
                2.2-A2.
2004.
2-4Ty Match
Best Local Similarity 2
RESULT 1330
ID AD039510 standa-
DE Human myoca-
PN W02004"
PD 15-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity Lessur 1335

ID AAB23824 stander
DE Murine macro
PD 12-7
                                                                                                                                                                                                       (APPL-) APPLERA CORP.
                                                                                                                                                                                                                                     Best Local Similarity RESULT 1331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CRAN/) CRANE E H. (CRAN/) CRANE V C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-SEP-2002.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                  16-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BABABB
```

```
PD 06-MAR-2003.

PA (OXFO-) OXFORD BIOMEDICA UK LTD.

Query Match

Best Local Similarity 28.6%; Pred. No. 6.2e-05;

RESULT 1341

ID ADJ70032 standard; protein; 1140 AA.

DE Human heat mitochondrial protein as a therapeutic target SeqID1838.

PN W02003087768-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 14-JAN-2003.
PA (KAZU-) ZH KKZUSA DNA KENKYUSHO.
PA (PAZU-) PROTEIN EXPRESS KK.
Query Match 7.3%; Score 184.5; DB 7; Length 1192;
Best Local Similarity 28.6%; Pred. No. 6.5e-05;
RESULT 1145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.3%; Score 184.5; DB 8; Length 1140; 28.6%; Pred. No. 6.2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 184.5; DB 7; Length 1140; Pred. No. 6.2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1192;
                                                                                                                                                                                                                                                                 Length 1140;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 135;
                                                                                                    Length 586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 673;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Natch 7.3%; Score 184.5; DB 7; Local Similarity 28.6%; Pred. No. 6.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 182.5; DB 2;
Pred. No. 7.9e-06;
                                                                                                                                                                                      PN WOZOCZALI-AZ.
PD 19-SERP-2002.
PA (LEXI-) LEXICON GENETICS INC.
Query Match
7.3%; Score 184.5; DB 5;
Beet Local Similarity 28.6%; Pred. No. 6.2e-05;
RESULT 1340
                                                                                                      5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.2%; Score 183; DB 4; 30.9%; Pred. No. 4.4e-05;
                                                                                          Query Match 7.3%; Score 184.5; DB 5
Best Local Similarity 28.6%; Pred. No. 2.9e-05;
RESULT 1339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADF74179 standard, protein; 1192 AA.
Human novel brain/hippocampus protein #67
JP2003009886-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY43998 standard; protein; 135 AA.
Tobacco pathogenesis related protein #1.
US5958784-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADSI1010 standard; protein; 1140 AA.
Human therapeutic protein - SEQ ID 1247.
WO2004080148-A2.
                                                                                                                                                                                                                                                                                                                             ADD18688 standard; protein; 1140 AA.
Human disease related protein SeqID119.
WO2003018621-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1343
ID ADE71305 standard; protein; 1192 AA.
DE Novel human protein #59.
PN JP2002345493-A.
                                                                                                                                                                AAE27985 standard; protein; 1140 AA.
Human EGF-family protein #1.
AAE27986 standard; protein; 586 AA.
Human EGF-family protein #2.
WO200272611-A2.
19-SEP-2002.
(LEXI-) LEXICON GENETICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A4132663 standard; protein; 673 AA.
Novel human secreted protein #3154.
WO200179449-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-DEC-2002.
(KAZU-) ZH KAZUSA DNA KENKYUSHO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-SEP-1999.
(BENN/) BENNER S A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

RESULT 1347
ID AAY4399
DE Tomato |
PN US59587
PD 28-SEP-

```
26-NOV-1992.
(SANO ) SANDOZ LTD.
(SANO ) SANDOZ PATENT GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MALYANKAR U M.
MILLET I.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MACDOUGALL J R.
                                                                                                        CASMAN S.
BOKOR J C.
EDINGER S R.
                                                                                                                                                                                                 ELLERMAN K.
FERNANDES E.
GERLACH V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PEYMAN J A.
RASTELLI L.
RIEGER D.
SHENOY S.
SHINKETS R.
SMITHSON G.
STONE D.
VERNET C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-SEP-1999.
(BENN/) BENNER S A.
ALSOBROOK J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best_Local Similarity
RESULT 1356
                        BENTO P.
BOLDOG F.
BURGESS C.
                                                                                                                                                                                                                                                                                                               GUNTHER E.
GUSEV V.
HEYES M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-APR-2002.
(IWAT-) IWATE KEN.
                                                                                                                                                                                                                                                                                         GROSSE W.
                                                                                                                                                                                                                                                                                                                                                                                                        LEPLEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PEYM/)
(RAST/)
(RIEG/)
(SHEN/)
(SHIM/)
(SMIT/)
(STON/)
(VERN/)
                                                                                                           (CASM/)
(BOKO/)
(EDIN/)
(ELLE/)
(FERN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MILL/)
(PATT/)
                                                                                                                                                                                                                                                                                   (GROS/)
(GUNT/)
(GUSE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (MACD/)
                                                                                                                                                                                                                                                           (GERL/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 31.6%; Pred. No. 9.7e-06;
RESULT 1350

ID AAB64953 standard; protein; 178 AA.

DE Human secreted protein sequence encoded by gene 12 SEQ ID NO:131.

PN WO200076530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 30.2%; Score 181.5; DB 7; Length 229; RESULT 1353

ID ADK68232 standard; protein; 343 AA.

BE Novel NoVX protein #79.

PN W02003085124-A2.

PD 16-OCT-2003
                                                                                                                                                                                                                         ID AAR28350 standard; protein; 159 AA.

DE Pathogenesis-related protein P14a isolated from tomato.

PN W09220800-41.

PD 26-NOV-1992.

PA (SANO ) SANDOZ DITD.

PA (SANO ) SANDOZ PATENT GMBH.

Query Match

RESULT 1349

RESULT 1349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
1.2%; Score 181.5; DB 7; Length 343;
Best Local Similarity 30.2%; Pred. No. 2.7e-05;
RESULT 1354

ID ADH720c standard; protein; 343 AA.

DB Human protein of the invention NOV55a SEQ ID NO:1122.

PN WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.2%; Score 182.5; DB 4; Length 178; 30.2%; Pred. No. 1.1e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Beet Local Similarity 30.2%; Score 181.5; DB 8; Length 343;
Beet Local Similarity 30.2%; Pred. No. 2.7e-05;
RESULT 1355
ID ADR49221 standard; protein; 343 AA.
BB Human NOV10a protein.
BN US2004162236-A1.
BD 19-AUG-2004.
                                                                                                                                                                  7.2%; Score 182.5; DB 2; Length 135; 33.3%; Pred. No. 7.9e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 159;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 26-NOV-1992.
PA (SANO) SANDOZ LTD.
PA (SANO) SANDOZ LTD.
PA (SANO) SANDOZ PATENT GWEH.
Query Match
Pest Local Similarity 31.8%; Pred. No. 1.1e-05;
RESULT 132.
DE Human protein encoded by clone TESTI20071630.
PM (HELL) HELIX PRO THELIX PRO THE TESTION THE TESTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR28354 standard; protein; 159 AA.
Pathogenesia-related protein P14f isolated from tomato.
W09220800-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABB77766 standard; protein; 162 AA.
Amino acid sequence of an antibacterial protein.
JP2002095475-A.
02-APR-2002.
                  ID AAY43999 standard; protein; 135 AA.

DB Tomaco pathogenesis related protein #1.

PN US5958784-A.

PD 28-SEP-1999.

PA (BENN/) BENNER S A.

Query Macch
Best Local Similarity 33.3%; Pred. No.

RESULT 1348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HUMA-) HUMAN GENOME SCI INC. (ROSE/) ROSEN C A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (IWAT-) IWATE KEN.
```

```
PD 17-OCT-2002.

PA (SYGN) SYNGENTA PARTICIPATIONS AG.

PA (FRIE-) FRIEDRICH MIESCHER INST.

Query Match
7.1%; Score 180.5; DB 6; Length 163;

Best Local Similarity 31.9%; Pred. No. 1.4e-05;
                                                                                                                                                                                                                           Query Match 7.1%; Score 180.5; DB 2; Length 135; Best Local Similarity 33.3%; Pred. No. 1.1e-05; RESULT 1357
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Est Local Similarity 33.3%; Pred. No. 1.3e-05; Length 159; RESULT 1358
7.2%; Score 181.5; DB 8; Length 343; 30.2%; Pred. No. 2.7e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 7.1%; Score 180.5; DB 3; Length 163; Best Local Similarity 31.9%; Pred. No. 1.4e-05; RESULT 1360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 161;
                                                                                                                                                                                                                                                                                                         AAR28351 standard; protein; 159 AA.
Pathogenesia-related protein P14b isolated from tomato.
W09220800-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAG42365 standard; protein; 163 AA.
Arabidopsis thaliana protein fragment SEQ ID NO: 52828.
EP1033405-A2.
6-SEP-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABP81272 standard; protein; 163 AA.
Arabidopsis thaliana protein #100 modulated by PTGS.
WO200281695-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.1%; Score 180.5; DB 5;
31.1%; Pred. No. 1.4e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB77765 standard; protein; 161 AA.
Amino acid sequence of an antibacterial protein.
JP2002095475-A.
                                                                                AAY44000 standard; protein; 135 AA.
Tomato pathogenesis related protein #2.
USS958784-A.
```

```
Human membrane protein.
JP10036395-A.
10-FEB-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-JUN-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                         LA.-2004.

LACY-) INCYTE CORP.

QUELY MATCh

Best Local Similarity 2
RESULT 1373

ID ADQ17856 stand?

DE Human soft

PN W020040'

PD 10-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2004.
(INCY-) INCYTE CORP.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADF74842 standard; protein; 2775 AA.
Murine NOVX protein to treat human pathological conditions (SeqID 56).
WO2003076578-A2.
18-SEP-2003.
                                                                                                                                                                                                                                                                                                                   Luk-ABELLO AS.

Lucary Match

Best Local Similarity 30.8%; Pred. No. 1.8e-05;

RESULT 1364 Standard; protein; 2775 AA.

DE Murine NOVX protein to treat him Prof. No. 18-SEP-200.

PD 18-SEP-200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 178.5; DB 7; Length 1456; Pred. No. 0.00023;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 7.1%; Score 178.5; DB 6; Length 1456; Best Local Similarity 29.2%; Pred. No. 0.00023; RESULT 1369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.1%; Score 178.5; DB 4; Length 1184; 29.2%; Pred. No. 0.00018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1456;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.1%; Score 180.5; DB 7; Length 2775; 27.8%; Pred. No. 0.00034;
                                                                                                                                                                                                                                    Query Match 7.1%; Score 180.5; DB 2; Length 205; Best Local Similarity 30.8%; Pred. No. 1.8e-05; RESULT 1363
                                                                                                   Ouery Match 7.1%; Score 180.5; DB 2; Length 205; Best Local Similarity 31.6%; Pred. No. 1.8e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 737;
                                                                                                                                                                                                                                                                                                                 AAE28821 standard; protein; 205 AA.
Polistes annularis antigen 5 (Pol a5) allergen protein.
WO200270665-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABP97463 standard; protein; 737 AA.
Mouse Delta/Notch-like EGF-related receptor (DNER)
WO2003029467-A1.
10-APR-2003.
10-APR-2003.
THOM SCI & TECHNOLOGY CORP.
PLY MAtch SCI & 7.1%; Score 180; DB 6; Lei
FLOCAL Similarity 27.8%; Pred. No. 8.2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 7.1%; Score 178.5; DB 2; Best Local Similarity 29.2%; Fred. No. 0.00023; RESULT 1368
AAW35693 standard, peptide, 205 AA.
Vespid antigen 5s from Polistes exclamans (wasp).
WO9733910-A1.
                                                                                                                                                         AAW35692 standard; peptide; 205 AA.
Vespid antigen 5s from Polistes annularis (wasp)
WO9733910-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF43375 standard; protein; 1456 AA.
Mannose receptor polypeptide seq id 95.
US2003157113-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human diagnostic protein; 1184 AA. WOS01175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR24033 standard; protein; 1456 AA. Soluble mannose receptor peptide. W09207579-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU79121 standard; protein; 1456 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAY-1992.
(CHIL-) CHILDRENS MEDICAL CENT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.1%;
                                                          18-SEP-1997,
(UYRQ ) UNIV ROCKEFELLER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lery Match
Best Local Similarity 2.
RESULT 1367
ID AAR24033 stand-
DE Soluble m-
PN W092^-
PD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (TERM/) TERMAN D S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2003.
(TERM/) TERMAN D S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Angiostatin DNA.
US2002177551-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-NOV-2002
                                                                                                                                                                                                                      18-SEP-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
```

```
ID ADN39899 standard; protein; 1456 AA.

DE Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:C269.

PN WCO0030426561-A2.

PD 22-MAY-2003.

PA (EOSB-) EOS BIOTECHNOLOGY INC.

Query Match

Past Local Similarity 29.2%; Pred. No. 0.00023;

RESULT 1371
                                                                                                                                                                                                                                                                                                                                                          Query Match 7.1%; Score 178.5; DB 7; Length 1456; Best Local Similarity 29.2%; Pred. No. 0.00023; RESULT 1372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 21-MAY-2004.

PA (GETH) GENENTECH INC.

Query Match
7.1%; Score 178.5; DB 8; Length 1456;
Best Local Similarity 29.2%; Pred. No. 0.00023;

RESULT 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 10-JUN-2004.

PA (PROT-) PROTEIN DESIGN LABS INC.

Query Match 7.1%; Score 178.5; DB 8; Length 1456;

Best Local Similarity 29.2%; Pred. No. 0.00023;

RESULT 1374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1456;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 7.0%; Score 178; DB 2; Length 737; Best Local Similarity 28.7%; Pred. No. 0.00012; RESULT 1379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vuery Match 7.0%; Score 178; DB 8; Length 694;
Best Local Similarity 28.7%; Pred. No. 0.00011;
RESULT 1377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADQ17856 standard; protein; 1456 AA.
Human soft tissue sarcoma-upregulated protein - SEQ ID 673
WO2004048938-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABM82843 standard, protein, 694 AA.
Human diagnostic and therapeutic pprotein SEQ ID NO:3092.
WO2004023973-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.1%; Score 178.5; DB 8; 29.2%; Pred. No. 0.00023;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL12439 standard; protein; 1456 AA.
Human steroid-induced C3A liver cell protein #22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 10-FEB-1998.

PA (ASAH) ASAHI KASEI KOGYO KK.

Query Match 7.0%; Score 178; DB 2;

Best Local Similarity 28.7%; Pred. No. 9.4e-05;

RESULT 1376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 2; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                         ADN95147 standard; protein; 1456 AA.
Human BEC/LEC-related protein sequence SeqID69.
WO2003080640-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW39256 standard; protein; 612 AA. Human partial mature membrane protein. JP10036395-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADP23714 standard; protein; 1456 AA.
PRO polypeptide SEQ ID NO:892.
WO2004041170-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY17822 standard, protein, 737 AA.
Human PRO299 protein sequence.
WO9928462-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW39257 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                              (LUDW-) LUDWIG INST CANCER RES. (LICH ) LICENTIA LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ASAH ) ASAHI KASEI KOGYO KK.
```

```
vuery match 7.0%; Score 178; DB 3; Length 737; Best Local Similarity 28.7%; Pred. No. 0.00012; RESULT 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 178; DB 6; Length 737; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 737;
                                                                                                                                                                                                                                                                                                                           AAU76235 standard; protein; 737 AA.
Human epidermal growth factor (EGP) motif repeat protein.
WO200212335-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU87966 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR66155 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027278-A1.
                                                                                                                                                                                                                                                                                                                                                                         PD 14-PEB-2002.

PA (PHAA) PHARMACIA CORP.

Query Match

7.0%; Score 178; DB 5;

Best Local Similarity 28.7%; Pred. No. 0.00012;

RESULT 1382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR65545 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003036159-A1.
                                                                                                                                                                                                                                                                  7.0%; Score 178; DB 4; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU84281 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003032112-A1.
13-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU99485 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003040070-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABUSSS922 standard; protein; 737 AA.
Human secreted/transmembrane protein PRO299.
US2002142959-A1.
AAB01313 standard; protein; 737 AA.
Human PRO299 polypeptide.
WO200032776-A2.
                                                                                                                                                              AAU29042 standard; protein; 737 AA.
Human PRO polypeptide sequence #19.
WO200168848-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUS8418 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003027272-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.0%;
                                                                                                                                                                                                                       20-SEP-2001.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Best Local Similarity
1383
ID ABU87966 standard; pre
DE Novel human secreted
PN US20030127-A1.
PD 13-FEB-2003.
                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 1386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 1384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-FEB-2003.
                                                               08-JUN-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-OCT-2002
                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1387
                                                                                                                                                                                                                                                                                                                                 22222
```

```
Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                              Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-SEP-2002.
(GETH) GENENTECH INC.
PLY MATCh
ELOCal Similarity 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 737;
                                                                                                              Novel human secreted and transmembrane protein PRO299. 20-PBE-2003.
                                                                                                                                                                                                                                                                                                                                                                            ABU96147 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
20-PEB-2003.
                                                                                                                                                                                                                       Best Local Similarity 28.7%; Pred. No. 0.00012; RESULT 1391
ID ABR68094 standard; protein; 737 AA.
DE Human secreted polypeptide PRO299, SEQ ID NO:38.
PN US2003207224-Al.
PD 06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR74861 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38
US2003040056-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR94623 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003044926-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                          Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                              Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU92578 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003036149-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO08655 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO02707 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003040062-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 178; DB 6;
Pred. No. 0.00012;
RESULT 1389

ID ABU82724 standard; protein; 737 AA.

BE Human PRO polypeptide #19.

PN US2003032113-A1.

PD 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUG0232 standard, protein, 737 AA.
Human PRO polypeptide #3.
US2002132768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU85596 standard; protein; 737 AA.
                                                                                     7.0%;
                                                                                                                                                                                                          7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                              7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1394
ID ABOO8655 standard; pr
DE Human secreted/transn
PN US2003044923-A1.
                                                                                                   Best Local Similarity RESULT 1390
                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-FEB-2003.
                                                                                     Query Match
                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query
```

```
Query Match
Best Local Similarity 28.7%; Pred. No. 0.00012;
RESULT 1407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                           Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                              ID ABU97971 standard; protein; 737 AA.

DE Novel human secreted and transmembrane protein PR0299.

PD 23-JAN-2003.

Query Match
Best Local Similarity 28.7%; Prod. T. Prod. T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU91677 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
06-FBB-20037277-A1.
                                                                                                                                                                                                                             ABU98756 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003013153-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR98760 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US200346064-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABR99370 standard; protein; 737 AA.
Human secreted polypeptide PR0299, SEQ ID NO:38.
27-F2BB-2003.
                                                                                                                              7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                           7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABUG7424 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
20.FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU86211 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003036146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU80452 standard; protein; 737 AA. Human PRO protein #19. US2003036137-A1. C20-FEB-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU89370 standard; protein; 737 AA Human PRO polypeptide #19.
20.003036141-Al.
20-FRB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 7.0%;
Best Local Similarity 28.7%;
RESULT 1406
Human PRO polypeptide #19
US2003036140-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Janan Becret 06-FEB-2003.
Query Match Best Local Similarity 2 RESULT 1403
ID ABU89370 stander Human PPC PN US200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                  (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1408
                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1409
                                                                                                                                                                                                                                                                                                                                16-JAN-2003.
                                                                       20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1404
ID ABUSC1:
DE Human 80
PN US20030:
PD 20-FEB-:
PA (GETH )
                                                                                                                                                                                                     RESULT 1400
```

```
Score 178; DB 6; Length 737; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PD 20-MAR-2003.

PA (GETH) GENENTECH INC.

Query Match
7.0%; Score 178; DB 6; Length 737;
Best Local Similarity 28.7%; Pred. No. 0.00012;
RESULT 1413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 737;
                                                                                 Length 737;
                                                                                                                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                                   Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 737,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D ABUG4981 standard; protein; 737 AA.

B Novel human secreted and transmembrane protein PRO299.

US2003032114-A1.

D 13-FEB-2003.

7.0%; Score 178; DB 6: Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 28.7%; score 178; DB 6; Length. RESULT 1415

ID ABOO0120 standard; protein; 737 AA.

BN US2003032101-A1.

PD 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003054474-A1.
                                                                                                                                            AER92183 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003036160-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein (PRO) #19.
US2003036124-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO02097 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19
22003040054-A1.
27-FEB-2003.
ABO16283 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
052003027267-A1.
0FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                 7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                          7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein (PRO) #19.
US2003044925-A1.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                     7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU64918 standard; protein; 737 AA.
Human secreted/transmembrane protein PRO299.
US2002173463-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU58352 standard; protein; 737 AA. Novel human secreted protein PRO299.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beet Local Similarity 28.7%; Pred. RESULT 1416
ID ABO11452 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                ABR78245 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                         ABO18824 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 7.0%;
Best Local Similarity 28.7%;
RESULT 1419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-OCT-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-NOV-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 1417
ID ABO02097 standard; px
DE Human secreted/transn
PN US2003040054-A1.
PD 27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1418
                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1414
                                                                                      Query Match
Best Local Similarity
RESULT 1410
                                                                                                                                                                                                                                             Best Local Similarity RESULT 1411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2002150976-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                         Query Match
```

US2002142958-A1.

```
Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 737;
                                                                  Length 737;
                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 737;
ABU88671 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003036133-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO19129 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003036118-A1.
                                                                                                                                                                                                                              ABO06167 standard; protein; 737 AA. Novel human secreted and transmembrane protein PRO299.
                                                                                                                                                                                                                                                                                                                                              ABR59203 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027275-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR66765 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003036148-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                              Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 178; DB 6;
Pred. No. 0.00012;
                                                                  Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO11147 standard; protein; 737 AA. Human secreted/transmembrane protein (PRO) #19. US2003036123-A1. 20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane protein (PRO) #19.
US2003040060-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO11684 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003044916-A1.
                                                                                                             ABU83366 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19
US2003036134-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO09265 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19
US2003027324-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU57238 standard; protein; 737 AA.
Human PRO299 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AB015978 standard; protein; 737 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.0%;
                                                                  7.0%;
                                                                                                                                                                               7.0%;
                                                                                                                                                                                                                                                                                              7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                               7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 7.0%;
Best Local Similarity 28.7%;
RESULT 1425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                Query Match
Best Local Similarity
RESULT 1420
                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1422
                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                              US2003022294-A1.
                                                   20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-MAR-2003
                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S S S S S S
```

```
Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                              Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 vuery Match 7.0%; Score 178; DB 6; Length 737; Best Local Similarity 28.7%; Pred. No. 0.00012; RESULT 1438
                                Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                             Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match 7.0%; Score 178; DB 6; Length 737; Local Similarity 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU05527 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003036117-A1.
                                                        Human secreted/transmembrane protein, 737 AA.
1022003036156-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted polypeptide PR0299, SEQ ID NO:38 US2003027266-A1.
                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                        Human secreted/transmembrane protein (PRO) #19. US2003036128-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO15673 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003054483-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein, PRO299.
US2003022298-A1.
                                                                                                                                                                                            ABO07435 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003032117-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU65282 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003032102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO07740 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003032130-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU71130 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                              ABR67070 standard; protein; 737 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABUSS954 standard; protein; 737 AA
                              7.0%;
                                                                                                                                               7.0%;
                                                                                                                                                                                                                                                               7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USZUGAZ-
ZO-MAR-ZOO3.
(GETH) GENENTECH INC.
"MAtch '12-rity 28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.0%;
03-OCT-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO299 protein.
US2003036143-A1.
20-FEB-2003.
                              Query Match
Best Local Similarity
RESULT 1430
                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1435
                                                                                                                                                           Best Local Similarity RESULT 1431
                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1436
                                                                                                                                                                                                                                              13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
```

Length 737;

```
30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                    Query Match
                    Query Match
                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 737;
                   Length 737;
                                                                                                                                                      7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                     Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR71811 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003032135-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR65177 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027268-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR68399 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027274-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR60054 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003032137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR67789 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027269-A1.
                                                                                                                                                                                                   ABR69114 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003036132-A1.
                                                                     ABR69981 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003032138-A1.
                                                                                                                                                                                                                                                                                                                                                                                                        Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                    Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU85291 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003022295-A1.
                                                                                                                                                                                                                                                                                                                       AB001455 standard, protein, 737 AA.
Human PRO polypeptide #19.
US2003008353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU81257 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003017542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                        7.0%;
28.7%;
                                                                                                                                                                                                                                                                        7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 7.0%;
Best Local Similarity 28.7%;
RESULT 1449
                      7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-2003.
                                                                                                                       13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                         09-JAN-2003.
(GETH ) GENENTECH INC
                      Query Match
Best Local Similarity
RESULT 1440
                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1448
                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1447
                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-JAN-2003.
                                                                                                                                                                                                                                                        20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-FEB-2003
      13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                     RESULT 1441
                                                                                                                                                                                                                                                                                                         RESULT 1442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MA NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEED
```

```
Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%; Score 178; DB 6; Length 737;
                                                                                                                                                                                                                                                                                                                                                          Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                   Length 737;
                                                                                                                                                                                                                                       Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 737;
                                                                                                                                                                                                                                                                                       ABU94917 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299
US2003032123-A1.
                                                                                                                                                                                                                                                                                                                                                                                                          ABU90465 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003032108-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU93627 standard; protein; 737 AA.
ABU93627 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299
US2003032119-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted polypeptide PRO299, SEQ ID NO:38.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADMANDER Standard; protein; 737 AA. Human secreted polypeptide PRO299, SEQ ID NO:38. US20030222263-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR68704 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38
US2003027271-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO06520 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19-
US2003036125-A1.
Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU83976 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003032111-A1.
                                                                                                                   Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                    ABU83061 standard; protein; 737 AA.
Human secreted(transmembrane protein (PRO) #19.
US2003032105-A1.
13-FBB-2003.
                                                                                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                       7.0%; Score 178; DB 6;
28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                               Human secreted transmembrane protein (PRO) #19.
US2003022297-A1.
                                                   ABU88981 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.0%;
28.7%;
                                                                                                                                                                                                                                         7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%;
   7.0%;
28.7%;
                                                                                                                    7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 7.0%;
Best Local Similarity 28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
               Best Local Similarity RESULT 1450
                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1455
                                                                                                                                  Best Local Similarity
RESULT 1451
                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 1452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-FEB-2003.
                                                                                                      30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-FEB-2003.
```

us-09-943-664-50.rag.spdi

```
7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.0%; Score 178; DB 6; Length 737;
                                                                                                                                                                                                                                                                                                                                                               Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUG0343 standard; protein; 737 AA.

Novel human secreted and transmembrane protein PRO299.
US2002169715-A1.
14-NOV-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU85901 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003022300-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU82188 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
20-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU81756 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003032104-A1.
                                                                                                                                                                                                                                                                                                                                                               Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                         28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU83671 standard; protein; 737 AA.
ABU83671 standard; protein; 737 AA.
US2003032109-A1.
13-FEB-2003.
                                                                                                                                                                                                     ABU56303 standard; protein; 737 AA.
Human secreted/transmembrane protein, PRO299.
US2002132981-A1.
19-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU12044 standard; protein; 737 AA.
Human NOV2a CG59843-01 protein SEQ ID 8.
WO200281625-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #19.
1052003036138-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO08045 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003040066-A1.
27-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABUS6949 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003027280-A1.
                                                                                                                                                                                                                                                                                                                                                               7.0%;
Best Local Similarity RESULT 1460
ID ABU56303 stander
DB Human secret
PD 19-7
                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jecre
Jean-2003.
Jery March
Best Local Similarity RESULT 1463
ID ABU82188 stand
DE Novel hum
PN US200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Less construction of the c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1462
                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1461
```

```
Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 178; DB 6; Length 737; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 178; DB 6; Length 737; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 737;
                                                                                                        Length 737;
                                                                                                                                                                                                                             Length 737;
                                                                                                                                                                                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 737;
                                   ABU65920 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003036157-A1.
                                                                                                                                                                                                                                                                                                                                                                                             ABU99790 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003022296-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane protein PRO299. US2003032131-A1.
                                                                                                                                                                                                                                                                             ABU03037 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
US2003036155-A1.
                                                                                                                                                        ABRE9749 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003032120-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR66460 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027281-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABR90878 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003040058-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PA (GETH) GENENTECH INC.
Query Match
Past Local Similarity 28.7%; Pred. No. 0.00012;
RESULT 1475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
Best Local Similarity 28.7%; Pred. No. 0.00012; RESULT 1470
                                                                                                                                                                                                                              7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                   7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU86516 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003032129-A1.
13-FEB-2003.
                                                                                                        7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #19.
US2003032106-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU94305 standard; protein; 737 AA. Human PRO polypeptide #19. US2003017540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1474
                                                                                                                    Best Local Similarity RESULT 1471
                                                                                                                                                                                                                                           Best Local Similarity RESULT 1472
                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1480
                                                                                                                                                                                                                                                                                                                                 20-FEB-2003.
                                                                                                                                                                                                              13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-FEB-2003
                                                                                                        Query Match
                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
Best Local Similarity RESULT 1493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1500
                                                                                                                                                     Best Local Similarity RESULT 1492
                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1496
                                          Best Local Similarity RESULT 1491
   US2003036153-A1.
                                                                                                                                                                                                                                   20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                          27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                             Length 737;
                                                                                                                                                                     Length 737;
                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                     Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO299. US2003036154-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU90155 standard; protein; 737 AA.
Novel human secreted and transmembrane protein PRO299.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR64567 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38.
US2003027262-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                              ABRESBSO standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38
US2001305165-A1.
20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                ABR70286 standard; protein; 737 AA.
Human secreted polypeptide PR0299, SEQ ID NO:38
US2003032139-A1.
13-FEB-2003.
                                                            7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                     7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 7.0%; Score 178; DB 6;
Best Local Similarity 28.7%; Pred. No. 0.00012;
RESULT 1485
                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 6; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human secreted/transmembrane protein (PRO) #19
US2003036142-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #19.
US2003036145-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #19.
US2003022301-Al.
SYN MAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU79492 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003032110-A1.
13-FEB-2003.
ABU94610 standard; protein; 737 AA.
Human PRO polypeptide #19.
U2200303103-A1.
13-FRB-2003.
                                                                                                        ABO04537 standard; protein; 737 AA Human PRO polypeptide #19.
1022003032107-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein; 737 AA
                                                                                                                                                                      7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.0%;
                                                                                                                                                                                                                              La po.

LEB-2003.

Lery Match
Best Local Similarity 2
RESULT 1463
ID ABU98451 stan²
DE Human PPC
PN US20"
                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 2
RESULT 1484
ID ABR65850 standard; prc
DE Human secreted polyper
PD 2007805155-A1.
PD 20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Est Local Similarity
RESULT 1490
ID ABU90155 ---
DE N
                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 1482
                                                                         Best Local Similarity RESULT 1481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU92883 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-FEB-2003.
                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
```

2 2 2 C

SEE

8288

```
Score 178; DB 6; Length 737;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 178; DB 6; Length 737; Pred. No. 0.00012;
Length 737;
                                                                                                                                                                                                                                                                            Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                 Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7.0%; Score 178; DB 6; Length 737; 28.7%; Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.0%; Score 178; DB 6; Length 737;
                                                                                                                                       Length 737;
                                                                                                                                                                                                                                                                                                                                    ABR70896 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38
US2003040069-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR69676 standard; protein; 737 AA.
Human secreted polypeptide PRO299, SEQ ID NO:38
US2003032122-A1.
Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                    Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                       Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                            Score 178; DB 6;
Pred. No. 0.00012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 178; DB 6;
Pred. No. 0.00012;
                                                       ABO09570 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19-
US2003044931-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO09875 standard; protein; 737 AA.
Human secreted/transmembrane protein (PRO) #19.
US2003017543-A1.
                                                                                                                                                                                                                   Human secreted/transmembrane protein (PRO) #19 US2003036150-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein (PRO) #19 US2003032116-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU87504 standard; protein; 737 AA.
Human PRO polypeptide #19.
US2003022293-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU91372 standard; protein; 737 AA. Human PRO polypeptide #19. US2003032128-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU80053 standard; protein; 737 AA. Human PRO protein #19. US2003036139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU93322 standard, protein, 737 AA.
Human PRO polypeptide #19.
US2003017541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU84586 standard; protein; 737 AA.
                                                                                                                                                                                              ABO10842 standard; protein; 737 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7.0%;
7.0%;
                                                                                                                                       7.0%;
28.7%;
                                                                                                                                                                                                                                                                            7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.0%;
28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.0%;
28.7%;
```

Best Local Similarity 28.7%; Pred. No. 0.00012;

This Page Blank (uspto)